Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

✚**New Jersey**—Pennsylvania R.R.—This company has awarded a contract for grading and track work at Camden, N. J., to the JAMES McGRAW CO., Commercial Trust Bldg., Philadelphia, Penn.

✚**Pennsylvania**—Philadelphia & Reading Ry.—A contract has been awarded by this company to C. P. BOWERS & CO., Reading, Penn., for grading and masonry work on a section of 1.84 miles from Nicetown Junction, Philadelphia, to Newtown Junction, Penn.

Virginia—Mill Creek Ry.—This company contemplates the construction of a railway from Wilderness, Va., to Williamsville, Va., about 18 miles. E. E. McCutcham, Staunton, Va., is Ch. Engr.

West Virginia—It is reported that the Horse Creek Land & Mining Co., which owns 12,000 acres of coal and timber lands in Lincoln County, W. Va., contemplates the construction of a ten-mile railway to develop its property. L. E. Poteet, Charleston, W. Va., is Gen. Mgr.

✚**Georgia**—Southern Ry.—A contract has been awarded by this company to STEWART & JONES, Rock Hill, S. C., for work north of Gainesville, Ga., in connection with the reconstruction and double-tracking of the Charlotte-Atlanta line. The work includes the construction of 6½ miles of new line, four miles near Mount Airy, Ga., and 2½ miles near White Sulphur, Ga.

✚**Alabama**—Ensign Yellow Pine Co.—According to press reports this company has awarded a contract to J. N. GILLIS & SONS, for the construction of a five-mile logging road out of Wetumpka, Ala.

Illinois—Palatine, Lake Zurich & Wauconda R.R.—An extension of its line from Wauconda, Ill., to Fox Lake, Ill., about ten miles, is contemplated by this company. C. H. Patten, Palatine, Ill., is Pres.

Wisconsin—Montana-Waumandee Ry.—This company has been incorporated to construct a 10- to 20-mile railway from Montana, Wis., Waumandee post office. F. D. Brandenburg, Minneapolis, Minn., is interested.

Idaho—American Falls & Rockland Valley R.R.—This company, recently incorporated, plans to start work in the spring on the construction of a railway from American Falls, Idaho, to Roy, Idaho, about 25 miles.

✚**Washington**—Great Northern Ry.—This company has awarded a contract to COUGHREN & WOLDSON, Spokane, Wash., for repairing 38 miles of grade on the Bluestem-Columbia branch, near Davenport, Wash.

California—Diamond Match Co.—This company contemplates the extension of its logging road from Stirling City, Calif., north toward Butte Meadows, Calif.

ELECTRIC RAILWAYS

Boston, Mass.—The Boston Elevated Ry. Co. has been petitioned to consider plans for the construction of tracks on Pleasant St. from the subway to Washington St. Edward Mahler, Boston, is Pur. Agt.

Westport, Conn.—The Connecticut Co. is preparing plans for the extension of its line on Railroad Ave. to the station in Westport. J. K. Punderford, New Haven, is Vice-Pres. and Gen. Mgr.

Trenton, N. J.—Rights-of-way are being acquired for the construction of an electric railway line from Trenton to Washington's Crossing; a power plant for its operation is planned at Trenton. Horace G. Hough and Barton T. Fell are interested.

Corry, Penn.—The Corry & Columbus St. Ry. Co. is preparing plans for the construction of a 30-mile electric railway from Corry, Penn., to Mayville, N. Y. C. P. Northrop, Corry, is Pres. and Gen. Mgr.

Holmesburg (Philadelphia post office), **Penn.**—Peter E. Costello, Philadelphia, has applied for a franchise to construct and operate an elevated railway from Front and Arch St. to Rhawn St., Holmesburg.

★**Pittsburgh, Penn.**—(Official)—See item under "Miscellaneous," Track Laying and Paving.

Tarpon Springs, Fla.—James H. Murphy, St. Petersburg, has applied to the City Council for a franchise to construct and operate an electric railway in Tarpon Springs.

Cincinnati, Ohio—The Cincinnati Traction Co. is considering plans for the construction of a crosstown line north of the present route on McMillan St. T. Fitzgerald, Cincinnati, is Gen. Mgr.

Youngstown, Ohio—The Mahoning & Shenango Ry. & Light Co. has applied to the City Council for a franchise to extend its Mahoning Ave. line to Perkins Corners. G. J. A. Paul, Youngstown, is Mgr. Rys.

Paris, Ill.—The Central Illinois Traction Co. plans to construct an extension from Charleston to Paris next spring. W. V. Driscoll, Mattoon, is Supt.

Winthrop, Minn.—The Electric Short Line Ry. Co. is considering plans for the construction of an electric railway through Winthrop, north to Winsted and south, through Sleepy Eye to Jackson. DeKoven Hunter, Minneapolis, is Gen. Mgr.

Bonner Springs, Kan.—The Kansas City, Kaw Valley & Western Ry. Co. has completed financial arrangements and plans to start work about Jan. 1 on the construction of its proposed electric railway from Bonner Springs to Lawrence. W. R. Taylor, Bonner Springs, is Gen. Mgr. and Pur. Agt. Noted Aug. 13.

Madison, Neb.—The Niobrara, Sioux City & Omaha Ry. Co. has completed surveys for the extension of its line from Madison to Elgin, Neb. Charles W. Baker, Omaha, is interested. Noted July 17.

St. Louis, Mo.—The United Railways Co. has been petitioned to extend its Tower Grove line to the Gratiot and Lindenwood sections of the city. Robert McCulloch, St. Louis, is Pres., Gen. Mgr. and Pur. Agt.

Houston, Tex.—The Houston, Laporte & Bay Shore Ry. Co. is making preliminary arrangements for the construction of its proposed electric railway to connect Houston, Pasadena, Deepwater, Deer Park, San Jesenta City, Laporte, Seabrook, Webster, Friendswood and Pearland. Samuel F. George, Dayton, Ohio, is Pres. and Gen. Mgr. and John H. Stoner, Houston, Ch. Engr.

Benicia, Calif.—Preliminary arrangements are being made by the Benicia-Vallejo Electric Ry. Co. for the construction of its proposed line from Benicia to Vallejo, about seven miles. A. D. Bowen is Pres. Noted July 2 and Aug. 20.

San Francisco, Calif.—The lowest bid received by the Board of Public Works for the construction of the California St. branch of the municipal electric railway was that of F. Rolandi, San Francisco, at $101,309.

Guelph, Ont.—The Guelph Radial Ry. Co. has been granted permission by the Board of Railway Commissioners to construct a one-track line on Suffolk St. A. H. Goshl, Guelph, is Gen. Mgr., Supt. and Pur. Agt.

✚**Ottawa, Ont.**—According to press reports, the Ottawa & St. Lawrence Electric Ry. Co. has awarded a contract to EASTMAN, KENNY & STEARNS, Russell, Ont., for grading about six miles of its proposed line from Russell to Metcalfe.

LIGHT, HEAT AND POWER

Manchester, N. H.—The Manchester Traction, Light & Power Co. has taken out a permit to build a one-story power house at Kelley's Falls. J. Brodie Smith is Vice-Pres. and Gen. Mgr. of the company.

Greensboro, Vt.—The Greensboro Electric Co. is receiving bids for the construction of a hydro-electric plant, including a concrete dam, 33x250 ft., a one-story concrete power house and a penstock, 600 ft. long. Noted Sept. 17 and Oct. 29.

✚**Boston, Mass.**—The Infirmary Commission of the Public Works Department has awarded the contract for heating and ventilating systems at the Long Island Nurses' Home, and in ward buildings, to C. H. SANBORN, Boston, at $6976 and $9674.

Montague City, Mass.—The Amherst Power Co., controlled by the Cabot interests of Boston, will begin at once the construction of a 45,000-hp. hydro-electric plant at Montague City. Energy generated at this station will supply the transmission lines of the company in the Central Connecticut Valley, including new lines to connect the generating station with the system of the United Electric Light Co., Springfield, Mass. Fred L. Hunt, Greenfield, Mass., is Ch. Engr. of the Amherst Power Co.

West Newbury, Mass.—It is reported that the Board of Selectmen is considering the installation of a municipal electric light plant.

Bath, N. Y.—(Official)—Bids will be received until 6 p.m., Dec. 22, by the Village Trustees, for furnishing and installing engines, boilers, generators and piping for an electric lighting station. W. W. Babcock is Chn. of the Com. John W. Taggart is Village Clk.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 3 p.m., Dec. 21, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Borough of Manhattan, for heating and ventilating apparatus and temperature regulation in new Public School 50, Driggs Ave. and South Third St., Borough of Brooklyn.

✚**Newark, N. J.**—The Board of Education has awarded the contract for heating equipment for the 13th Ave. School to E. G. WOOLFOLK & CO., 153 West 31st St., New York, N. Y., at $14,777.

✚**Philadelphia, Penn.**—The Philadelphia Electric Co. has awarded the contract for the concrete work in its new power house at 26th and Christian St. to the DREHMANN PAVING CO., Philadelphia, at about $150,000. John T. Windrim, Commonwealth Trust Bldg., Philadelphia, is Arch.

Reading, Penn.—The City Council will begin early in January to advertise for bids for lighting the city for a period of years, as the present five-year contract with the Metropolitan Electric Co. expires next April. Charles Marks is City Clk.

★**Baltimore, Md.**—(Official)—Bids will be received until 11 a.m., Dec. 30, by the Board of Awards, City Hall, for electric-power equipment for the Upper Service Pumping Station, Contract No. 31, Water Dept. John Hubert is Acting Pres. Bd. of Awards. For details see advertisement under "Contracts To Be Let."

✚**Logan, W. Va.**—(Official)—The following contracts have been awarded in connection with the construction of the power plant for the Logan County Light & Power Co.: Powerplant building, C. W. McNULTY, Huntington, W. Va.; structural steel, RIVERSIDE BRIDGE CO., Martins Ferry, Ohio; concrete stack, GENERAL CONCRETE CONSTRUCTION CO., New York, N. Y.; general electrical equipment, GENERAL ELECTRIC CO., Schenectady, N. Y.; boilers and superheaters, EDGEMOOR IRON CO., Edgemoor, Del.; condensers, boiler feed and auxiliary pumps, H. R. WORTHINGTON, INC., Philadelphia, Penn.; stokers, DETROIT STOKER CO., Detroit, Mich.; coal-handing equipment, C. W. HUNT CO., New York, N. Y.; transmission wire, ALUMINUM CO. OF AMERICA, Pittsburgh, Penn. Other contracts for about 60 miles of transmission line, power-plant piping, traveling crane and miscellaneous equipment will be awarded shortly. Francis R. Weller, Hibbs Bldg., Washington, D. C., is Engr.-in-Charge. Noted July 30, Sept. 17, Nov. 12 and 19.

Farmville, N. C.—The City of Farmville plans improvements to the municipal electric light plant next year to include the installation of a new engine and generator. T. C. Tumage is Mayor.

Florence, S. C.—The Carolina Electric Co., recently organized at Florence by D. T. McKeithen, Darlington, Pres., J. W. McCown, Darlington, Vice-Pres., and George E. Dargan, Secy. and Treas., has acquired and consolidated the following companies: The Florence Electric & Utility Co., Florence; the Marion Water & Electric Co., Marion, and the Darlington Water & Electric Co., Darlington. The company is capitalized at $800,000.

Westminster, S. C.—It is reported that D. B. Traxler, Greenville, S. C., will construct a hydro-electric plant about three miles from Westminster, to develop 1000 hp. for transmission to Westminster; Walhalla, nine miles away, and Seneca, 12 miles distant.

Carlisle, Ky.—It is reported that the Carlisle Electric Light & Power Co. plans to install a new lighting system and make other improvements in its property. Boon Ingles is Secy. and Mgr.

Scottsville, Ky.—The Scottsville Electric Light Plant has been taken over by J. W. Hood, who has purchased the lease, which has nine years yet to run, from Mays & Schlinker, Glasgow, Ky. No improvements of importance will be made, as the plant was newly equipped a year ago.

Sturgis, Ky.—It is reported that the West Kentucky Coal Co., whose power plant at Sturgis was recently burned at a loss of $20,000, has decided to rebuild the plant.

Bowling Green, Ohio—(Official)—See item under "Water Supply—Irrigation."

Butler, Ohio—The Hicksville Electric Light Co., Hicksville, Ohio, has purchased the municipal electric light plant of Butler for $10,372. The new owners will operate the Butler system from its Hicksville station.

Cincinnati, Ohio—Spear & Co., Fifth St. and Central Ave., furniture dealers, has leased a building on Race St., which will be remodeled at once for occupancy. The improvements proposed include additional elevators and an electric-light plant to cost about $15,000.

Columbus, Ohio—The City Council is again considering the question of issuing $265,000 in bonds for the purpose of making extensions and additions to the municipal electric lighting system. John T. Barr is City Clk.

Kingston, Ohio—The Village Council has granted a 25-year franchise to A. D. Newmyer to construct and operate an electric light plant in Kingston.

✚**Huntington, Ind.**—The Board of Public Works has awarded the contract for steam exhaust and power-plant piping at the municipal light and water-works plant to the W. A. BOWERS HEATING CO., Milwaukee, Wis., at $5678. Noted Nov. 5.

Foxlake, Wis.—The Foxlake Light & Power Co., a subsidiary of the Beaver Dam Light & Power Co., Beaver Dam, is preparing to install an electric lighting system in Foxlake early next year. The plans include two outdoor substations of 50-kw. rating, the construction of 10 miles of overhead distribution lines and 42 tungsten incandescent street lamps. J. D. Roberts is Supt. of the Beaver Dam Light & Power Co.

Leon, Iowa—Arrangements have been completed whereby the Leon Electric Co. will furnish energy to operate the plant of the Osceola Light, Heat & Power Co. The Leon company will begin at once on the transmission line, and a new dynamo and engine will be installed in the plant. The towns of Van Wert and Weldon will also be furnished with electrical service, as the transmission line will pass close to their limits. J. F. Smith is Pres. and Mgr. of the Leon Electric Co.

Windom, Minn.—The Village Council has engaged Earle D. Jackson, Capital Bank Bldg., St. Paul, to prepare plans for additions and improvements to the municipal electric light plant. Albert H. Dickerson is Supt.

Corning, Kan.—At a recent election, the citizens voted in favor of issuing bonds, the proceeds of which will be used for the establishment of a municipal electric light plant.

Thompson Falls (Thompson post office), **Mont.**—The Northwest Development Co., which is building a power plant at Thompson Falls, plans to extend transmission lines into the Coeur d'Alene mining district of Idaho, to compete with the lines already operating in that section. Edward Donlan, Missoula, Mont., is interested in the company.

Joplin, Mo.—An election will soon be held to vote on the question of issuing $150,000 in bonds to be used for improvements to the municipal electric light plant. J. F. Osborne is Mayor.

Paris, Tex.—The Texas Power & Light Co., Dallas, will build a new transmission line to Bonham, from the central power station which it is building at Paris. F. R. Slater, Dallas, is Gen. Supt. of the company.

La Junta, Colo.—The City Council is considering the establishment of a municipal electric light plant. It is said that the question of a bond issue of $7000 for this purpose will be submitted to the voters at the spring election.

Beaver, Utah—The Beaver River Power Co. contemplates the construction of an additional power plant on the Beaver River, about five miles below the present plant, to supply the increased demand for electrical service by the various mining companies operating in Beaver, Millard, Sevier and Piute Counties. Several miles of transmission line will be required. A. L. Woodhouse, Richfield, Utah, is Mgr. of the company.

Elma, Wash.—L. H. Burnett, Aberdeen, Wash., has been granted a franchise to construct a gas-making plant and distributing system in Elma. It is reported that the plant will be in operation within a year.

North Yakima, Wash.—The Yakima Central Heating Co. will install an electric distributing system.

Spokane, Wash.—Plans for the construction of a hydro-electric plant on the Pend d'Oreille River, near this city, are being prepared by Hugh Lincoln Cooper, Consult. Engr., Spokane. It is reported that the plant will have a capacity of 35,000 hp. and will cost about $7,000,000.

Baker, Ore.—An election will soon be held to vote on the question of issuing $97,776 in bonds to be used for the construction of a municipal electric light plant and distribution system. If built, the plant will obtain its energy from streams in the water reserve belonging to the City of Baker. Preliminary surveys have been made by L. R. Stockman, Consult. Engr. Noted Nov. 5.

Gold Hill, Ore.—The City Council is considering the installation of an electric light plant. Bids submitted by the California-Oregon Power Co. and the Rogue River Public Service Corporation for constructing and operating the system have been taken under advisement.

Auburn, Calif.—The City Trustees are considering the construction of a municipal electric-light plant.

Los Angeles, Calif.—The City of Los Angeles has asked the State Railroad Commission to fix a price to be paid for the distribution system of the Southern California Edison Co. within the city limits of Los Angeles and certain adjoining territory. The city proposes to acquire these lines by condemnation, to be used for the distribution of the hydro-electric power to be developed in connection with its aqueduct. R. F. Del Valle is Pres. of Bd. of Pub. Ser. Comrs. E. F. Scattergood is Ch. Elec. Engr. for the city.

✚**San Francisco, Calif.**—The Board of Public Works has awarded a contract for the installation of heating equipment in the power plant at the Civic Center to DAVIS, ROGERS & CO., at $11,950, and a contract for an underground steam distributing system for the Civic Center to WHITTMAN, LYMAN & CO., at $23,964. Noted Oct. 15 and Nov. 19.

Fraserville, Que.—The City of Fraserville is receiving bids for new turbines to be installed in the municipal electric light plant. E. Talbot is Secy., Treas. and Mgr.

Quebec, Que.—It is reported that the city contemplates municipalizing the light and power service of the Dorchester Electric Co., at an approximate cost of $1,000,000.

Exeter, Ont.—T. B. Carling, Exeter, has been authorized by the Town Council to prepare plans for the installation of a new hydro-electric system for lighting and general power purposes.

BRIDGES

Fort Kent, Maine—Bids will be received until Dec. 21, by the State Highway Commission, Augusta, for the construction of a bridge over St. John's River between Fort Kent and St. Francis, N. B. The substructure, which will be of concrete on spruce piles, is estimated to cost $15,000, while the steel superstructure will cost about $43,500. Paul D. Sargent, Ch. Engr. of the State Highway Comn., is Engr.-in-Charge.

✚**Hartford, Conn.**—The State Highway Commission has awarded the contract for removing a bridge from one location to another in Old Lyme Township, and constructing wing walls, abutments, etc., to D. F. TOOMEY, South Norfolk, at $7842. List of bidders noted Dec. 10.

Niagara Falls, N. Y.—Plans are being prepared by F. S. Parkhurst, Jr., City Engr., for a new bridge at Second and Canal St.

Jersey City, N. J.—Thomas J. Wasser, Engr. of Hudson County, has recommended to the Board of Chosen Freeholders the removal of the present Whipple truss deck bridge over the Pennsylvania R.R. at Summit Ave., and replacing it with a reinforced-concrete structure.

New Brunswick, N. J.—The Board of Chosen Freeholders of Middlesex County has instructed the County Engineer to prepare plans for a bridge, of either lift or draw type, to be built at the causeway over the South River at this point.

★✚**Northfield, N. J.**—(Official)—The Board of Chosen Freeholders of Atlantic County has awarded the contract for the bridge over English Creek, on the road from Northfield to Mays Landing, to GEORGE HAUSELMAN, Cologne, N. J., at $3729. Other bidders were: J. W. Ingersoll, $3950; H. H. Smith, $5340; Reiley Bros., $4790; John E. Kahle, $7489, and Lay & Eastwood, $5631. Noted Nov. 26.

★✚**Somers Point, N. J.**—(Official)—The Board of Chosen Freeholders of Atlantic County has awarded the contract for the construction of a bridge over Patcong Creek, near Somers Point, to the ATLANTIC CONSTRUCTION & SUPPLY CO., Atlantic City, at $37,570. Other bidders were: John E. Kahle, $61,527; E. J. Holland Construction Co., $46,450; Homan, Mixner & Bell, $41,815; F. W. Schwiers, Jr., Co., $46,832; J. W. Ingersoll, $46,500; Whitaker & Diehl, $40,837; Sutton & Corson Co., $47,838; E. L. Bader, $51,900. A. H. Nelson, Atlantic City, is County Engr. Noted Nov. 26.

Leesport, Penn.—The citizens of Leesport have petitioned the Board of Commissioners of Berks County to build a new bridge over the Schuylkill River between the boroughs of

Leesport and West Leesport, replacing the present wood structure which is inadequate for the increased traffic at this point. The old bridge is 170 ft. long and 16 ft. wide. D. K. Hoch, Reading, is Controller of Berks County. Charles F. Sanders is County Engr.

Morgantown, W. Va.—(Official)—Bids will be received until 1:30 p.m., Dec. 28, by the County Court of Monongalia County, for the construction of the South Morgantown Bridge at Morgantown. It will be of reinforced concrete, 150-ft. span, 30-ft. roadway and 8-ft. walks. The estimated cost is $65,000. The Monongahela Engineering Co., Morgantown, is Engr.-in-Charge. Noted May 21.

Shelby, N. C.—The Shelby Northern Ry. Co., S. S. Royster, Pres., will build two bridges on its proposed 21-mile line from Shelby to Casar, N. C. Noted Nov. 26 under "Railways."

✚Milton, Fla.—(Official)—The Board of Commissioners of Santa Rosa County has awarded the contract for the construction of two steel drawbridges, one over the Blackwater River at Milton, and the other over the Escambia River near Chumuckla Mineral Springs, to the VIRGINIA BRIDGE & IRON CO., Roanoke, Va., at $24,100. Other bidders were: Austin Bros., Dallas, Tex., $28,300; Southern Bridge Co., Birmingham, Ala., $25,995; Vincennes Bridge Co., Vincennes, Ind., $39,500. Noted Nov. 26.

Eufaula, Ala.—(Official)—Bids will be received until Dec. 29, by the Board of Revenue of Barbour County, Clayton, for the construction of a steel bridge with concrete floor and abutments, over Barbour Creek on the Clayton-Eufaula Rd. Plans on file with W. S. Keller, State Highway Engr., Montgomery, Ala. Noted Dec. 10.

Greenville, Miss.—(Official)—Bids will be received until Jan. 4, 1915, by the Board of Supervisors of Washington County for the construction of 18 steel bridges of from 32- to 70-ft. span, and for three wooden bridges. The Morgan Engineering Co., Goodwyn Institute Bldg., Memphis, Tenn., is Engr.-in-Charge. This work is a part of the development of the Bogue Phalia Drainage District. Noted Oct. 1 and 15.

✚Gretna, La.—The Police Jury of Jefferson Parish has awarded the contract for repairing the bridge at East End, on Lake Ponchartrain, to C. M. HALE, Gretna.

Lake Charles, La.—(Official)—Bids will be received until 10 a.m., Jan. 5, by the Police Jury of Calcasieu Parish, for the construction of 66 reinforced-concrete bridges and culverts and a number of wooden bridges and culverts on Highways Nos. 5, 6, 7, 8, 14 and 16. E. C. House is Secy. of the Police Jury.

New Orleans, La.—Plans are being prepared for the construction of a bridge over Bayou St. John at City Park Ave. and a track loop on Metearie Ridge. The cost of these improvements will be shared by the New Orleans Ry. & Light Co., and the Orleans-Kenner Interurban Ry. M. S. Sloan is Gen. Mgr. of the New Orleans Ry. & Light Co.

Elyria, Ohio—The City Council and the Board of Commissioners of Lorain County are considering widening and repairing the East Bridge St. Bridge to accommodate the constantly increasing traffic. The county has about $16,000 available for the purpose, and if this amount is insufficient, the city and the street railway company will be required to make up the deficit. C. M. Theobald is City Engr.

South Bend, Ind.—The Board of Public Works has approved of plans submitted by the Grand Trunk Western Ry. for a new single-track railway bridge to replace the old one at South St. Peter St. William S. Moore is City Engr.

Washington, Ind.—The Commissioners of Daviess and Pike Counties have had plans prepared for the construction of a steel bridge across the White River at Harriman's ferry. The estimated cost is $17,250. Bids will be asked the first of the year, if the County Councils will make appropriations for the purpose. Lewis T. Gootee, Washington, County Surv. of Daviess County, is Engr.-in-Charge.

✚Marquette, Mich.—(Official)—The City Council has awarded the contract for the construction of a 60-ft. bridge over the Carp River at Lake St. to the WORDEN-ALLEN CO., Milwaukee. Noted Dec. 3.

Lebanon, Ill.—(Official)—Bids will be received until 10 a.m., Dec. 28, at the office of C. E. Chamberlin, Lebanon, for the following bridge construction in St. Clair County: College Road No. 2 Bridge, O'Fallon Township, 70-ft. span, 16-ft. roadway, steel bridge, concrete abutments, estimated cost, $3350; White No. 2 Bridge, Shiloh Valley Township, 70-ft. span, 16-ft. roadway, steel and concrete, estimated cost, $2780; State Road No. 2 Bridge, O'Fallon Township, 70-ft. span, 18-ft. roadway, steel and concrete, estimated cost, $4075. David O. Thomas, Belleville, is Supt. of Highways for St. Clair County.

✚Taylorville, Ill.—(Official)—The County Superintendent of Highways of Christian County has awarded the contract for the construction of a reinforced concrete bridge between Johnson and Taylor Townships to the EAST ST. LOUIS BRIDGE CO., East St. Louis, Ill., at $12,100; the contract for a bridge in Johnson Township was awarded to the CENTRAL STATES BRIDGE CO., Indianapolis, Ind., at $15,596. The Engineer's estimates for these two bridges were $15,350 and $17,000 respectively. Noted Dec. 3.

Columbus, Wis.—Bids will be received until Dec. 18, by the City Clerk for the construction of a 60-ft. plate-girder bridge with concrete abutment and floor.

✚La Crosse, Wis.—The Board of Public Works has awarded the contract for repairing the Mississippi River Wagon Bridge, including steel girders, creosoted block pavement and construction of west approach, to the LACROSSE CONSTRUCTION CO., LaCrosse, at $13,940.

Washburn, Wis.—M. W. Torkelson, State Bridge Engr., Madison, Wis., is preparing plans for five plate-girder and I-beam bridges to be built in Bayfield County with state aid. Contracts will not be awarded before spring.

Bemidji, Minn.—See item under Miscellaneous; Metal Culverts.

Breckenridge, Minn.—(Official)—On account of changes in the plans for 10 county bridges, ranging in length from 20 to 26 ft., bids for which were received Dec. 5, the work will be readvertised at an early date. P. E. Truax is County Audr. Noted Nov. 26.

Melrose, Minn.—(Official)—Bids will be received until 2 p.m., Dec. 22, by N. Thomey, Audr. of Stearns County, St. Cloud, Minn., for the construction of State Bridge No. 1605 on State Road No. 1. The bridge will be 120 ft. long with an 18-ft. roadway.

Winona, Minn.—Plans are being prepared by L. P. Wolff, Consult. Engr., Germania Life Bldg., St. Paul, Minn., for a new approach to the High Wagon Bridge over the Mississippi River. It will be about 1700 ft. long with an 18-ft. roadway and one 5-ft. sidewalk. The estimated cost is $82,000 for a steel structure, or $100,000 if of concrete.

Anthony, Kan.—Plans have been completed by Harris & Eastham, Engrs., Hutchinson, Kan., for the construction of reinforced-concrete bridges as follows: One of nine spans, 299 ft. long; one of four spans, 88 ft.; one of two spans, 45 ft., and two of one span each, 23 and 33 ft. long, respectively. D. B. Heacock, Attica, Kan., is Chn. Bd. of County Comrs.

Kansas City, Kan.—The Board of Commissioners of Wyandotte County has adopted plans for the new high-line bridge over the Kaw River at Central Ave., Kansas City, Kan. The center span will be 344 ft. long, with two end spans of 200 ft. each. Viaducts at each end will add 1500 ft. to the length of the structure. The channel piers will be of concrete. Plans will be submitted at once for the approval of the War Department and the Kaw Valley Drainage Board. R. L. McAlpine is County Engr. Noted Sept. 24 and Oct. 15.

Turner, Kan.—The Commissioners of Wyandotte County, Kansas City, Kan., have decided to repair the east approach of the Turner Bridge at a cost of about $10,000. The bridge and its west approach were rebuilt about a year ago, costing about $37,000. Noted Oct. 16 and Nov. 20, 1913.

Omaha, Neb.—The United States Supreme Court has confirmed the right of the city of Omaha to enforce the ordinance compelling the Missouri Pacific Ry. to place a viaduct over its tracks on West Dodge St. to accommodate street cars as well as other traffic. According to press reports, construction work will begin soon on a viaduct to cost about $80,000. J. R. Stephens, St. Louis, Mo., is Ch. Engr.

Billings, Mont.—Bids will be received until Dec. 28, by the Auditor of Yellowstone County for the purchase of one issue of $45,000 in bonds, and one of $32,000, the proceeds to be used for the construction of bridges over the Yellowstone River at Pompey's Pillar and across Duck Creek. H. E. Howell is Deputy County Clk. Noted Oct. 16 and 29, Nov. 19.

★Great Falls, Mont.—(Official)—See item under "Federal Government Work"—Bridge.

Kalispell, Mont.—The Commissioners of Flathead County are having plans prepared for the construction of a wood and steel bridge across the Swan River near Swan Lake, and a steel bridge over the Whitefish River about 12 miles from Kalispell. Bids will shortly be asked.

✚Victoria, Tex.—The Commissioners Court of Victoria County has awarded the contract for the steel bridge over Coleto Creek to A. A. ALSBURY & CO., Houston, at about $9000. Noted Nov. 26.

Kamiah, Idaho—It is reported that the Northern Pacific Ry. will soon begin the construction of a steel railway bridge to replace the present wood structure, over the Clearwater River at this point. W. L. Darling, St. Paul, Minn., is Ch. Engr.

Ogden, Utah—See item under "Miscellaneous"; Culverts.

✚Tacoma, Wash.—The Oregon-Washington R.R. & Navigation Co. has awarded the contract for the steelwork of its new bridge across the city waterway at 15th St. to GERRICK & GERRICK, Seattle, at approximately $30,000.

Chiloquin, Ore.—See item under "Federal Government Work"—Bridges.

San Francisco, Calif.—Jerome Newman, Engr. of the State Board of Harbor Commissioners, is preparing plans for a bridge across the Embarcadero for the use of pedestrians to and from the ferries. It will be of steel with an asphalt runway, 22 ft. high, 12 ft. wide, and will extend from the terminus of Market St. to the second floor of the ferry house. The estimated cost is $15,000.

Annapolis, N. S.—Bids will be received until Dec. 31, for the construction of bridges and culverts in the County of Annapolis. Plans on file at the office of the Road Commissioner, Halifax, N. S., O. S. Miller, Municipal Clk., Bridgetown, N. S., and H. R. McKay, Annapolis.

Toronto, Ont.—R. C. Harris, Comr. of Works, has been instructed to report on the feasibility of building a new bridge at St. Clair Ave. in Moore Park. H. C. Hocken is Chn. Bd. of Control.

★The Commissioner of Works and the Board of Control have recommended to the City Council the awarding of the contract for the construction of the Don Section of the Bloor St. Viaduct to Quinlan & Robertson, Montreal, Que., at $947,076. Bids were opened Oct. 5. Noted June 18 and July 30.

WATER SUPPLY—IRRIGATION

Brookline, Mass.—The citizens contemplate spending $200,000 for the improvement of the water system. A filtration plant is contemplated. Alexis H. French is City Engr.

Easthampton, Mass.—The city plans to meter all its taps, 1259, of which 659 are metered, by 1916, relay small pipe lines and connect dead ends. W. C. Tannant, Jr., is Supt. of Pub. Wks.

✚Lynn, Mass.—The contract for supplying 1500 tons of c.-i. pipe for the water department has been awarded to the UNITED STATES CAST IRON PIPE & FOUNDRY CO., Philadelphia, Penn., at $19.13 per ton.

✚New Bedford, Mass.—According to press reports the contract has been awarded to R. D. WOOD & CO., Philadelphia, Penn., at $23,000 for c.-i. pipe and specials.

New Britain, Conn.—(Official)—The city plans to complete the high-service system by constructing a 16-in. pipe to the stand pipe in 1915. P. J. Egan is Secy.

Wallingford, Conn.—(Official)—The Water Commissioners plan to lay one mile of 6- to 8-in. pipe and construct a 4,000,000-gal. controlling reservoir in 1915 and 1916. William Allackenzie is Supt.

Binghamton, N. Y.—(Official)—The city plans to install a small booster system for high pressure at the water works. M. Stoppard is Supt. of Water Wks.

Le Roy, N. Y.—Plans have been prepared by J. P. Wells, Rochester, for a water system. The estimated cost is $110,000. Noted Dec. 3.

✝New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for laying water mains in Third, Madison and Park Ave. and in East 42d and East 53d St. has been awarded to BEAVER ENGINEERING & CONSTRUCTION CO., at $10,-087. List of bidders noted Dec. 10.

(Borough of Brooklyn)—(Official)—Bids were received, Dec. 11, by William Williams, Comr. of Water Supply, Gas and Electricity, for removing the present foundation and erecting a new foundation under the water ends of No. 1 Worthington 20 Mg triple expansion pumping engine at the Ridgewood North Side pumping station. For removing two boilers and their appurtenances from the Milburn pumping station, transporting and reërecting one in the Woodhaven pumping station and one in the Agawam pumping station with new stacks, piping and other appurtenances. Campbell & Smiley at $3092 were low bidders for the work at Ridgewood North Side pumping station and Rudolph Gersman at $3462 was low bidder for work at the Woodhaven pumping station. Noted Dec. 3.

Saratoga Springs, N. Y.—At a recent election, the citizens voted against the question of issuing bonds, the proceeds of which would have been used for the installation of a filtration plant. Noted Nov. 26.

Sheridan, N. Y.—Bids are being received by the Board of Village Trustees for making additions to the water works pumping plant.

Syracuse, N. Y.—(Official)—The city plans to lay feed and distributing mains to supply a section which will be annexed Jan. 1. W. T. Wooley is City Engr.

Berlin, N. J.—Plans are being prepared by William H. Boardman, Fourth and Walnut St., Philadelphia, Penn., according to press reports, for the installation of a water sytsem.

✝★Baltimore, Md.—(Official)—Bids were received Dec. 2, by the Board of Awards, for constructing a reinforced-concrete lining in the Gunpowder Tunnel, under Contract 37, as follows: C. B. CLARK & CO., Baltimore, at $67,416 (awarded contract); James F. Leary Construction Co., Rochester, N. Y., $78,400; Stobaugh Contracting Co., New York, N. Y., $83,135; James Ferry & Sons, Baltimore, $90,434; Lock Joint Pipe Co., New York, N. Y., $92,461; Mason-Hilton & Co., New York, N. Y., $93,767, and H. K. Corbin Co., New York, $115,694. Noted Nov. 19.

★Baltimore, Md.—(Official)—Bids will be received until 11 a.m., Dec. 30, by the Board of Awards for installing pumping machinery for the Upper Service Pumping Station, under Contract No. 30. For details see advertisement under "Contracts To Be Let."

★Kensington, Md.—Bids will be received by the Mayor and Town Council until 8 p.m., Jan. 15, for the construction of a water system. For details see advertisement under "Contracts To Be Let." Noted July 9.

Norfolk, Va.—All bids received, Aug. 1, by the Water Department for water meters have been rejected. Noted July 23.

✝Stuart, Va.—The contract for constructing water and sewer systems has been awarded to SLUSS-BAKER CONSTRUCTION CO., Graham, Va., at $13,380. J. N. Ambler, Winston-Salem, N. C., is Engr. Noted Nov. 26.

Lumberton, N. C.—The Council has decided not to install a filtration plant at the water-works now. G. T. Page is Clk. Noted Dec. 3.

Marion, Ky.—An application has been made to the City Council by the Marion Water & Ice Co. for the construction of a water system. R. L. Moore is interested.

Bowling Green, Ohio—(Official)—Bids will be received by D. C. Brown, Napoleon, Ohio, Secy. of the Bd. of Trustees of the Bowling Green State Normal College until noon, Jan. 9, for a fireproof power building, stack, tunnel system, water system and softening plant, steam mains and pumps.

Chardon, Ohio—C. H. Felton, Cleveland, has been granted a franchise by the Council for the construction and operation of a water system.

Cleveland, Ohio—(Official)—Bids were received Dec. 8, for installing a filter and equipment at the filtration plant, as follows: M. L. Bayard, Philadelphia, Penn., $133,500; American Water Softener Co., Philadelphia, Penn., $135,938; Roberts Filter Mfg. Co., Darby, Penn., $136,204; Norwood Engineering Co., Florence, Mass., $138,857; Pittsburgh Filter Mfg. Co., Pittsburgh, Penn., $139,218, and William A. Pope, Chicago, Ill., $174,402. Noted Dec. 3.

Dayton, Ohio—The United States Cast Iron Pipe & Foundry Co. was low bidder for 5000 tons c.-i. water pipe and 500 tons of specials. Bids opened Dec. 3.

East Palestine, Ohio—(Official)—We have been advised by C. E. Vaughn, City Engr., that the city does not intend to construct a water system in the Hill district, at an estimated cost of $40,000, but is endeavoring to secure an additional water shed. Noted Dec. 3.

Findlay, Ohio—The Illinois Pipe Line Co., Findlay, recently incorporated, will build a pipe line from Columbiana to Van Wert County.

Kenmore, Ohio—Bonds for $35,000, the proceeds of which will be used for the construction of a water system, have been sold. Noted Oct. 22.

Plain City, Ohio—(Official)—Bids will be received until noon, Dec. 28, by the Board of Trustees of Public Affairs, for installing motor-driven centrifugal pumping machinery and piping for the water pumping station. F. J. Currier is Clk.

✝Anderson, Ind.—The contract for an 8,000,000-gal. pump has been awarded by the Board of Works to INTERNATIONAL PUMP CO., Buffalo, N. Y., at $18,000 and the contract for the 6,000,000-gal. centrifugal pump to HILL-TRIP PUMP CO., Anderson, at $1945.

✝Madison, Ind.—(Official)—The contract for drilling well has been awarded to CHARLES KRAUSS & SONS, Indianapolis. The city also contemplates installing an air lift pumping system. J. W. Moore, 3342 North Illinois St., Indianapolis, Consult. Engr. Noted Dec. 3.

South Bend, Ind.—(Official)—Bids will be received until 1 a.m., Dec. 30, by the Board of Pubic Works for c.-i. pipe and specials for 1915. E. M. Morris is Pres. of the Bd.

✝Muskegon Heights, Mich.—Contracts have been awarded by the City Council to AMERICAN CAST IRON PIPE CO., Kansas City, Mo., at $14,000 for c.-i. water pipe and to J. E. CLOW & SONS, Chicago, Ill., for hydrants and valves.

Aren, Ill.—(Official)—Bids will be received until 8 p.m., Jan. 4, by the Board of Trustees for erecting an elevated tank and tower, pumping station, power pumping plant complete. Theodore F. Swan is Village Clk.

★Chicago, Ill.—Bids were received Dec. 2, by the City of Chicago, for constructing Sect. 1 of the Wilson Ave. water tunnel, as follows: Great Lakes Dredge & Dock Co., $553,581; Fitzsimmons & Connell Co., $403,179; Nash-Dowdle Co., $597,-710, and Byrnes Bros. Dredge & Engineering Co., $550,047, all of Chicago. Noted Nov. 19.

Lockport, Ill.—Bids will soon be received by the Board of Local Improvements for making extension to the water mains in Hamilton, State, Washington, Jefferson, Madison, Sixth, Seventh, Ninth, 11th, 12th, 13th, 14th and 15th St. The estimated cost is $29,000.

✝Neoga, Ill.—The contract for installing a water system has been awarded to W. G. HOY, Woodstock, Ill., at $9450. Bids opened Dec. 4. Noted Nov. 26.

✝St. Charles, Ill.—(Official)—The contract for constructing a pipe line in a number of streets has been awarded to H. D. HALLETT, Aurora, Ill., at $5875. Other bids were George A. Mallory & Co., $6150, and Yale & Rengon, $6000. Bids opened Dec. 7. Noted Dec. 3.

West Allis, Wis.—Bonds for $10,000 have been sold by the Common Council, the proceeds of which will be used for the improvement of the water system. J. J. Mulhaney is Mayor. Noted Sept. 17.

Crawfordsville, Iowa—An election will soon be held to vote on the question of issuing bonds, the proceeds of which will be used for the installation of a water system.

Two Harbors, Minn.—The City Clerk has been instructed by the Council to obtain from the State Board of Health plans for a new hypochlorite plant.

St. Paul, Minn.—(Official)—The Bureau of Water plans to construct a new reservoir with a capacity of 52,000,000 gal and improve a natural reservoir having a capacity of 75,-000,000 gal. in 1915. A pumping engine with a capacity of 15,-000,000 gal, will also be installed, and from 15 to 20 miles of distributing mains laid. Steps will be taken to render the water supply free from alga. Garrett O. House is Gen. Supt. of Bureau of Water. Noted Sept. 24.

Geneseo, Kan.—The citizens contemplate installing a municipal water system.

Severance, Kan.—The installation of a water system is contemplated by the citizens.

Corsica, S. D.—Meters will be installed in the town by April, 1915. H. L. Nixon is Town Clk.

Hudson, Wyo.—Bonds have been voted by the citizens, the proceeds of which will be used for the construction of a municipal water system.

Harlowton, Mont.—Press reports state that Garharz-Jaqueth Engineering Co., Great Falls, has prepared plans for the construction of a water system at Harlowton. Noted Aug. 13.

Heber Springs, Ark.—The construction of a water system is under consideration.

Texarkana, Ark.—According to press reports the Council has authorized the construction of a water system, estimated to cost $500,000. Noted Nov. 5.

✝New Boston, Tex.—According to press reports, the contract for installing a water system has been awarded to E. L. DALTON, Dallas, at $9925. Noted Aug. 27.

Texas City, Tex.—At an election held Dec. 2, the citizens defeated the bond issue for $85,000, the proceeds of which was to be used for the purchase of the present water system or for the construction of an additional system. Noted Nov. 12.

Wilburton, Okla.—(Official)—Plans are being prepared for the improvement of the water system. Noted June 11.

Payette, Idaho—Binds for $6000 were voted by the citizens, the proceeds of which will be used for the installation of a filtration plant. Noted Nov. 12.

Price, Utah—The citizens contemplate constructing a new water system. Albert Gage is Supt.

Ephrata, Wash.—The citizens voted in favor of issuing bonds for $19,000, the proceeds of which will be used for the construction of a water system. Noted Dec. 10.

Walla Walla, Wash.—The citizens voted at a recent election in favor of constructing a reservoir estimated to cost $80,000. Walter Rehorn is City Engr.

Bakersfield, Calif.—The Kern Valley Reclamation Co. is preparing to construct storage reservoirs and distributing canals to irrigate 30,000 acres of land in Kern and Kings Counties. J. Leroy Nickel, Menlo Park, Calif., is a director. Noted Aug. 20.

Reedley, Calif.—The City Trustees have rejected all bids for the installation of an auxiliary pumping plant and will call for new bids. Noted Nov. 12.

Brantford, Ont.—At the January election the question of issuing $100,000 in bonds, the proceeds of which will be used for the completion of the water-works, will be voted upon by the citizens.

✚Ottawa, Ont.—The contract has been awarded ta CANADIAN ALLIS-CHALMERS CO., LTD., Montreal, Que., at $10,360 for four low lift pumps for the Lemieux Island pumping station. Noted Nov. 12.

Saskatoon, Sask.—Plans have been prepared for the construction of a 24-in. force water main under the South Saskatchewan River from 11th to Sixth St., Saskatoon. J. Johnson is City Engr.

SEWERS

Boston, Mass.—Bids will be received until Dec. 23, by the Public Works Department, for constructing sewers in Cypress Rd. and Baker St., West Roxbury, and for constructing Fanuell Valley Brook conduit in Fanueil and Oakland St., Brighton. L. K. Rourke is Comr.

New Haven, Conn.—Bids will be received until Dec. 18, by F. L. Ford, City Engr., for constructing sewers in portions of Fox and Hedge St.

Huntington, N. Y.—The Sewer Committee of the Town Board is in favor of the construction of the system proposed by the citizens. Stanton E. Sammis is Town Clk.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received until 10:30 a.m., Dec. 23, by Douglas Mathewson, Pres. of the Borough, for the following sewer work: Constructing a sewer on the west side of Aqueduct Ave. (University Ave.) between West 176th and West 174th St.; constructing a sewer in Glover St. between Lyon Ave. and St. Raymond Ave.; rebuilding the portions of the sewer in East 149th (Burgay) St. between the East River and Eastern Blvd.; East 144th (St. Joseph) St. for about 200 ft. from East 149th (Burgay) St.; rebuilding the sewer in Third Ave. between East 138th and East 140th St.; constructing sewers in Westchester Ave. (north side) between Metcalf and Taylor Ave.; Westchester Ave. (south side) between Metcalf and St. Lawrence Ave.; Westchester Ave. (both sides) between Taylor and Theriot Ave.; Beach Ave. between Westchester and Randolph Ave., and constructing sewers in Watson Ave. between Theriot and Beach Ave., Beach Ave. between Watson and Westchester Ave.

✚Syracuse, N. Y.—The contract for constructing a sewer in Elmwood Ave. has been awarded by the Board of Contract and Supply to JAMES SWIFT, at $5756.

★Newark, N. J.—(Official)—Bids will be received by the Passaic Valley Sewerage Commissioners until 2 p.m., Jan. 12, for constructing the northerly portion of Sect. 18 of the main intercepting sewer in Paterson. John S. Gibson is Clk. For details see advertisement under "Contracts to Be Let."

★Paterson, N. J.—(Official)—Bids will be received by the Passaic Valley Sewerage Commissioners until 2 p.m., Jan. 5, for constructing the central portion of Sect. 18 of the main intercepting sewer in Paterson. John S. Gibson is Clk. For details see advertisement under "Contracts to Be Let."

Trenton, N. J.—(Official)—Bids will be received by the Board of Commissioners until 2:30 p.m., Dec. 23, for constructing sewer 608 in Lyndale Ave. Frank Thompson is City Clk. Noted Dec. 10.

Erie, Penn.—(Official)—William L. D'Olier, Engr., Philadelphia, Penn., states that he has not been retained by the City of Erie to prepare plans for a sewage-disposal plant, as was stated in the issue of Dec. 10.

Parkesburg, Penn.—According to press reports, plans are being prepared by F. G. Shaw, Brennaman Bldg., Lancaster, for a sewer system and sewage-disposal plant. The estimated cost is $25,000. Noted Nov. 19.

Philadelphia, Penn.—According to press reports, $500,000 will be spent by the city to relocate sewers preparatory to constructing the central subway loop. A. Merritt Taylor, Dir. of Transit, is in charge.

Pittsburgh, Penn.—The expenditure of $1,000,000 is contemplated by the city for the construction of sewers in the West End.

Baltimore, Md.—(Official)—Contract No. 140 for the construction of sanitary sewers in Dist. 31-B has been readvertised and bids will be received by the Sewerage Commission until Dec. 23. Calvin W. Hendrick is Ch. Engr. Noted Nov. 19.

✚✚(Official)—Bids were received Dec. 2, by the Sewage Commission, for the following work:

Contract No. 138, Ostend St. trunk sewer—Boyle, Lehmuller Contracting Co., Baltimore, $28,025; RYAN & REILLY CO., Union Trust Bldg., Baltimore, $28,428 (awarded contract); M. J. Beach, Baltimore, $29,896; J. W. Heller, Newark, N. J., $29,974; Whiting Turner Construction Co., Baltimore, $31,468; W. H. H. Allen Construction Co., $32,154; D. D'Anfre Bros., Leominster, Mass., $32,721; P. A. Rose & Co., Baltimore, $33,831; M. O'Herron & Son, Baltimore, $35,230; William McCarthy, Baltimore, $35,978; James Ferry & Sons, Baltimore, $39,601; Smith & Ruggles, Baltimore, $43,131; B. F. Sweeten & Son, Baltimore, $53,996.

Contract No. 139, District 44-B, lateral sewers—RYAN & REILLY CO., Baltimore, $120,866 (awarded contract); James Ferry & Sons, Baltimore, $121,754; Carozza Bros. & Co., Baltimore, $124,647; M. O'Herron & Son, Baltimore, $125,521; Gallagher, Beyel & Bryan, Baltimore, $126,089; William McCarthy, Baltimore, $130,405; Whiting Turner Construction Co., Baltimore, $135,617.

Contract No. 41, storm water sewer—RYAN & REILLY CO., Baltimore, $77,395 (awarded contract); M. O'Herron & Sons, Baltimore, $77,826; Slack & Slack Co., Baltimore, $78,003; William McCarthy, Baltimore, $82,632; James Ferry & Sons, Inc., Baltimore, $83,787; Whiting-Turner Construction Co., Baltimore, $86,133; John W. Heller, Newark, N. J., $88,933; B. F. Sweeten & Sons, Baltimore, $108,156.

Contract No. 126, Sect. 10, high level interceptor—M. O'Herron & Sons, Baltimore, $41,514; Ryan & Reilly Co., Baltimore, $43,892; Whiting-Turner Construction Co., Baltimore, $46,509; Middleton, Thompson Co., Baltimore, $47,963; W. H. H. Allen Construction Co., $48,782; James Ferry & Sons, Baltimore, $51,066; A. J. Carozza & Co., Baltimore, $59,304; Mason, Hilton & Co., New York, N. Y., $62,274. Noted Nov. 19.

★Kensington, Md.—(Official)—Bids will be received by the Mayor and Town Council until 8 p.m., Jan. 15, for the construction of a sewer system. For details see advertisement under "Contracts to Be Let." Noted May 7.

Martinsburg, W. Va.—An election will be held in January to vote on the question of issuing bonds, the proceeds of which will be used for the installation of a sewer system.

St. Augustine, Fla.—The City Council plans to construct a municipal sewer system. A. W. Corbett is Mayor.

✚Columbus, Ohio—The contract for constructing the Shoemaker Ave. sewer from Cleveland Ave. to Sidney Alley has been awarded to I. O. JONES, at $5268. Noted Sept. 24.

✚Fostoria, Ohio—The contract for improving the sewage-disposal plant has been awarded to J. H. JONES, at $19,000. Noted Dec. 3.

New Philadelphia, Ohio—The City Council has approved plans for sanitary and storm sewers in Beaver Ave.

Cadillac, Mich.—The City Commission is considering plans for improving the present system of sewage disposal. The City Engineer advises a trunk sewer, costing $16,000, and a new disposal plant at an estimated cost of $30,000. O. A. Carr is City Mgr.

✚Grosse Point, Mich.—The contract for constructing a trunk sewer along East Jefferson Ave. has been awarded to WILLIAM SAGER, Saginaw, at $86,000. Noted Nov. 19.

Marion, Ill.—The City Council contemplates constructing a septic tank. The Aetna Engineering Bureau, 17 North La Salle St., Chicago, is Engr.

✚St. Charles, Ill.—(Official)—The contract for constructing a sewer in East Fifth St. has been awarded to H. D. HALLETT, Aurora, Ill., at $5875. Other bids were George A. Mallory, $6150; Yale & Reagan, $6000. Noted Dec. 3.

Sheboygan, Wis.—Bids will be received some time in March for extending the sewer system on the northwest side, estimated to cost $17,771. C. U. Boley is City Engr. Noted Sept. 17.

Dubuque, Iowa—The City Council has instructed E. C. Blake, City Engr., to prepare plans for a system of sewers for the section west of Grandview Ave. and Delhi St.

Hutchinson, Kan.—The City Commission has ordered the construction of a sanitary sewer for the L. A. Bigger tract.

Portland, Ore.—Bids were received by the City Council, for the construction of a trunk sewer in East 82d St., as follows: Giebish & Joplin, $173,494; Consolidated Contract Co., $174,459; Elliott Contracting Co., $174,535; J. F. Shea, $175,269; James Kennedy, $177,924. Noted Oct. 22.

✚Holtville, Calif.—The city has awarded contracts to McLEAN & WALSH, Los Angeles, $21,244, for lateral sewers, and to DOYLE BROS., San Diego, $11,546, for outfall sewers. Noted Oct. 29.

Hamilton, Ont.—An election will be held Jan. 1, to vote on the question of raising $305,000 for the construction of a system of overflow sewers in the central section of the city.

✚Toronto, Ont.—The contract for constructing a sewer in Swanwick Ave. from Cockburn to Victoria Park Ave. has been awarded to the J. H. McKNIGHT CONSTRUCTION CO., at $4982.

GARBAGE

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Dec. 22, at the office of the President of the Borough of Queens, Fifth St. and Jackson Ave., Long Island City, for the general construction of the destructor plant at Ridgewood, Second Ward, Borough of Queens

Louisville, Ky.—The Board of Public Works is considering the establishment of a garbage incinerator. Owen R. White, Keller Bldg., Louisville, is preparing plans.

Dayton, Ohio—Bids will be received until Feb. 1, for the purchase of $55,000 in bonds, the proceeds of which will be used in constructing the proposed garbage disposal plant. Noted Oct. 22, Dec. 10.

Ishpeming, Mich.—(Official)—A communication from P. H. Devine, Supt. Pub. Wks., states that nothing will be done with the incinerator proposition before next summer. Noted Nov. 26.

Kalamazoo, Mich.—Clarence Miller, City Clk., will receive bids until Jan. 15, for the collection of garbage for a period of five years. Bond required, $10,000.

✚Fort Worth, Tex.—The City Commission has awarded the contract for the disposal of the city's garbage to W. F. LOWRY, for a period of two years. The contractor will pay to the city the sum of $4212 per year for the privilege.

STREETS AND ROADS

Boston, Mass.—Bids will be received until Dec. 18, by the Public Works Department, for macadam roadway in Deering Rd., Dorchester District, and for grading Temple and Hillcrest St., West Roxbury District. L. K. Rourke is Comr.

✚Woonsocket, R. I.—A contract for constructing about 20,000 lin.ft. of curbing has been awarded to BLANCHARD BROS., Linwood, Mass., at 50c. per lin.ft.

✚Hartford, Conn.—Contracts for state road work, bids for which were received Nov. 30, have been awarded by the Connecticut Highway Commissioners as follows:

Bridgewater Township, a section of 4-in. macadam on the Southville Rd., to KELLOGG & GREGORY CO., Danbury, Conn., at $18,000.

Lebanon Township, a section of active stone macadam on the Creamery Hill Rd., to FRANK A. WILCOX, Norwich, Conn., for $10,229.

Saybrook Township (Deep River post office), a section of trap-rock macadam on the Winthrop Rd., to LEONARDO SUZIO, Meriden, Conn., for $8125. Noted Nov. 19 and Dec. 10.

★Albany, N. Y.—(Official)—Bids will be received by John N. Carlisle, State Highway Comr., 55 Lancaster St., until 1 p.m., Jan. 5, for improving highways in various countries. For particulars see advertisement under "Contracts to Be Let."

✚Albany, N. Y.—Bids were received by the State Highway Commission, 55 Lancaster St., Dec. 10, for the construction of public highways, by State Aid, as follows:

Southern Blvd., Albany County, 1.59 miles: LANGAN CONSTRUCTION CORPORATION, Albany, $39,993 (awarded con-

tract); William G. Fox, Saratoga Springs, $42,007; Robert I. Gleason, Albany, $42,358; Lathrop-Shea & Henwood Co., Buffalo, $41,650; John H. Gordon, Albany, $43,942; St. Lawrence Construction Co., Menands, $43,887; Samuel Beskin, Beacon, $43,911.

Road No. 1220, Coeymans-Indian Fields, Part 2, Albany Co, 6.70 miles: James Anderson, Menands, $66,741; King Bros., New York, $67,009; A. G. Sternberg, Jr., Construction Co., West Hartford, Conn., $67,252; Langan Construction Corporation, Albany, $66,863; Municipal Asphalt Corporation, New York, $65,953; Amos D. Bridges Sons, Inc., Hazardville, Conn., $66,-140; SAMUEL BESKIN, Beacon, $62,040 (awarded contract).

Road No. 5525, King Ferry-Poplar Ridge, Cayuga County, 4.58 miles: Michael H. Ripton, Rochester, $55,580; Flood & Van Wirt Co., Hudson Falls, $58,400; Richard Hopkins, Troy, $57,202; Henry P. Burgard, Fulton, $54,990; John H. Gordon, Albany, $56,906; McGreevey, McGuigan & Baum Co., Elmira, $56,859. (All bids were rejected, low bid being informal.)

Road No. 1152, Smiths Corners-Stockport Dock, Columbia County, 1.18 miles: Amos D. Bridge's Sons, Inc., Hazardville, Conn., $13,737; John Arbonio, New Haven, Conn., $14,204; James Garafano & Son, Mt. Vernon, $13,595; Rumpf & Stevens, Lake Placid, $13,952; SAMUEL BESKIN, Beacon, $12,643 (awarded contract); John I. McDonald Contracting Co., Poughkeepsie, $13,174; Marks Kearney, Hudson, $13,199.

Road No. 1037-A, Gowanda Village, Erie County, 0.39 mile: Elmer H. Brown, Hempstead, L. I., $19,729; Thomas Mahoney, Jamestown, $18,985; Austin W. Simmons, Buffalo, $19,700; Thomas Fitzgerald Co., Fredonia, $18,972; JOHN L. McDONALD CONTRACTING CO., Poughkeepsie, $18,805 (awarded contract); H. L. Armando & Co., Boston, Mass., $19,205.

Road No. 1067, Athol Springs-Hamburg, Erie County, 4.08 miles: Louis H. Gripp, Buffalo, $95,190; Albert L. Willey, Binghamton, $95,590; THOMAS F. SHAUGHNESSY, Albany, $93,560 (awarded contract); J. B. Hurley, Inc., Fredonia, $95,-442; Lake Shore Construction & Supply Co., Dunkirk, $95,935; Busch & Percival, Buffalo, $95,544; Constantine Construction Co., Buffalo, $95,915.

Road No. 5530, Watertown City, Eastern Blvd., Jefferson County, 1.08 miles: STANLEY CONSTRUCTION CO., Buffalo, $33,504 (awarded contract); Louis B. Cleveland, Watertown, $35,974; Burns Bros. & Haley, Watertown, $36,092; Murray Construction Co., Troy, $34,862; Roger B. Kennedy, Utica, $36,848; W. J. Kennedy, Utica, $35,711.

Road No. 955, Chittenango Village, Seneca Turnpike, Madison County, 0.45 mile: Phelan & Sullivan, Utica, $7186; CONROY & NIXDORF, Oneida, $6819 (awarded contract); Guy B. Dickison, Syracuse, $7064; Paddleford & King, Sherburne, $6848.

Road No. 5529, Lyell Ave., Spencerport, Monroe County, 6.06 miles: Ribstine-Holder Co., Inc., Rochester, $75,793; Schroeder-Hicks Contracting Co., Rochester, $79,178; FRANK V. BROTSCH CO., Rochester, $74,666 (awarded contract); Michael H. Ripton, Rochester, $75,517; Louis H. Brotsch, Rochester, $78,461; Chambers & Barnes, Rochester, $77,469; P. H. Murray, Rochester, $76,253.

Roads Nos. 766 and 767, Pittsford-Elmira, Parts 1 and 2, Monroe County, 7.12 miles: Hovey E. Benedict, Williamsport, Penn., $80,027; Newport Construction Co., Herkimer, $77,489; James Anderson, Albany, $77,291; Whitmore-Rauber & Vicinius, Rochester, $80,302; A. Brazos & Sons, Inc., Middletown, Conn., $78,181; Claude Ludington, Rochester, $75,360; Ribstine-Holter Co., Rochester, $79,140. All bids were rejected.

Road No. 5498, Cornwall-West Point, Part 1, Orange County, 1.27 miles: Elmer H. Brown, Hempstead, L. I., $207,240; Moynehan & Hodgins, Port Henry, $199,962; Russo-Parker Construction Co., Hudson, $211,206; James Anderson, Menands, $203,-901; Langan Construction Corporation, Albany, $203,153; James Garafano & Sons, Inc., Mt. Vernon, $196,998. Award withheld.

Road No. 5469, Medina-Albion, Orleans County, 8.91 miles: Henry P. Burgard Co., Buffalo, $116,946; James L. Kehoe, Newburgh, $112,730; P. H. Murray, Rochester, $118,021; Sullivan Construction Co., Syracuse, $114,827; Frank E. Gore, New York, $114,528. HEMBDT & WASHINGTON, Monticello, $112,614 (awarded contract).

Road No. 5526, Parish-Camden, Part 1, Oswego County, 4.79 miles: Pathfinder Construction Corporation, Fulton, $46,-994; A. J. Rockwood, Rochester, $47,138; SPELLMAN-OLIVER CO., Chateaugay, $44,381 (awarded contract); Dana W. Robbins, Inc., New York, $45,613; Frank E. Gore, New York, $46,-537; Stanley Construction Co., Buffalo, $46,316; Semper Bros., Watertown, $45,727.

Road No. 1145, Syracuse City, Englewood Ave., Onondaga County, 0.76 mile: Frank E. Gore, New York, $27,005; Guy B. Dickison, Syracuse, $26,107; J. W. Brennan Construction Co., Inc., Geneva, $26,634; Patrick W. Mulderry, Albany, $26,-456; Eagle Paving Co., Syracuse, $26,809; John Kelly, Syracuse, $27,042; C. T. HOOKWAY CONSTRUCTION CO., Syracuse, $25,236 (awarded contract); Frank S. & Anthony Sporato, Syracuse, $26,533; Samuel Bonn, Syracuse, $26,681; James Garafano & Sons, Mt. Vernon, $25,913.

Road No. 5519, Malta-Ballston Spa, Saratoga County, 3.73 miles: S. B. Van Wagonen, Inc., Rondout, $38,529; Municipal Asphalt Co., New York, $35,234; De Graafe & Hogeboom, Inc., Kingston, $37,976; Samuel Beskin, Beacon, $37,820; Lynden Contracting Corporation, Albany, $37,761; John B. Dower, Ballston Spa, $38,725.

Road No. 5517, Bath-Hammondsport, Part 1, Steuben County, 4.27 miles: Ford Bros., Elmira, $45,528; Schroeder-Hicks Contracting Co., Rochester, $45,493; Bradley & Nolan, Corning, $44,980; Greenfield Construction Co., Hornell, $44,-803; FRANK J. FOOTE, Nunda, $43,625 (awarded contract); James Rossney, Buffalo, $46,649; Wood & Tompkins, Hilton, $46,442; Patrick Murray & Son, Elmira, $44,939.

Road No. 1219, Huntington-Amityville, Part 2, Suffolk County, 4.69 miles: M. J. Eahey, New York, $45,346; Murray & Gardner, Center Moriches, $45,286; Bellotte & Marchese, Troy, $47,802; HELING BROS., Lindenhurst, $43,720 (awarded contract); Gifford Construction Co., Jamaica, $46,711; Hembdt & Washington, Monticello, $47,667; John J. Guinan, Brooklyn, $48,284.

Road No. 1218, Huntington-Townline-Farmingdale, Suffolk County, 1.27 miles: David Falconder Construction Co., Long Island City, $14,206; Murray & Gardner, Inc., Center Moriches, $13,389; HELING BROS., Lindenhurst, $12,979 (awarded contract); Bellotte & Marchese, Troy, $14,243; John H. Eldert, Richmond Hill, $14,351; Hembdt & Washington, Monticello, $13,632.

Road No. 5528, Glens Falls City, Glen St., Warren County, 0.61 mile: R. J. Linehan, Glens Falls, $48,345; H. W. ROBERTS & CO., Utica, $46,817 (awarded contract); Murray Construction Co., Troy, $46,937; Flood & Van Wirt, Hudson Falls, $47,1[illegible]; W. L. Lawton, Glens Falls, $48,637; Gifford Construction Co., Jamaica, $47,911.

Road No. 5531, Whitehall Village, Canal and Broad St., Washington County, 1.32 miles: Brooks & Julian, Rochester, $44,169; Murray Construction Co., Troy, $47,235; John I. McDonald Contracting Co., Poughkeepsie, $47,006; John B. Dower, Ballston Spa., $47,906; John P. Dugan & Co., Amsterdam, $46,-535; THOMAS F. SHAUGHNESSY, Albany, $45,916 (awarded contract).

Road No. 1052, Crafts Corners-Vista, Westchester County, 4.69 miles: Plankfield Donovan, Kingston, $63,635; Samuel Beskin, Beacon, $62,194; James Garafano & Son, Inc., Mt. Vernon, $60,275; C. W. Tryone, Boyntonville, $61,276; George R. Gorham, Mt. Kisco, $59,768; Frank E. Gore, New York, $62,-290; White & Colligan, Purchase, $61,667. All bids were rejected, low bid being informal. Noted Nov. 26.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Pres. of the Borough, until 11 a.m., Dec. 23, for the following: 25,000 grade 1 paving blocks; 6000 bbl. of portland cement; 7000 gal. kerosene oil; 2000 tons limestone or other suitable inorganic dust; 20,000 gal. of residuum oil; 15,000 cu.yd. asphalt sand; 2000 cu.yd. paving gravel; 4000 cu.yd. binder stone; 300 cords of hard wood.

✚(Borough of Manhattan)—(Official)—The contract for regulating and grading Riverside Drive, Service St., from 158th to 160th St., and for paving and curbing the same street from 158th to 161st St. has been awarded to the ASPHALT CONSTRUCTION CO., Madison Ave. and 137th St., at $8038. Noted Nov. 26 and Dec. 10.

(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Pres. of the Borough, until 2 p.m., Dec. 21, for improving the market spaces under Manhattan Bridge from Division to Madison St.

(Borough of Manhattan)—(Official)—The contract for improving 30th St., from Eighth to Tenth Ave., has been awarded to the SICILIAN ASPHALT PAVING CO., 41 Park Row, at $15,392. Noted Dec. 3.

(Borough of Queens)—(Official)—Bids were received Dec. 10 by Maurice E. Connolly, Pres. of the Borough for improving Liberty Ave., from Walker to Ocean Ave., from Grimmer Construction, $5101, and Francis J. Ahearn, $5770; and Hancock St., from Payntar to Freeman Ave., J. F. Covalhozzo, $10,612. Noted Dec. 3.

Waterford, N. Y.—(Official)—Bids were received Dec. 7 by the Board of Trustees for brick paving as follows: John W. Flynn, Waterford, $4806; J. W. Davitt, Troy, $5050; J. P. Kelly, Cohoes, $5375; George Holler, Glenns Falls, $4974.

✚**Atlantic City, N. J.**—The contract for paving sections of Aberdeen Pl., Sunset and Winchester Ave. has been awarded to the WARNER-QUINLAN ASPHALT CO., at $10,030.

★✚**Hammonton, N. J.**—A contract for improving Wheat Rd., from the Cumberland County line to the intersection of Bellevue Ave. and White Horse Pike, Hammonton, has been awarded to BURK & BONHAM, Plainfield, N. J., at $67,519. Other bids were: Miller Engineering and Construction Co., $77,468; A. H. Lupton & Son, $79,522. Noted Nov. 26.

Irvington, N. J.—The Town Commission is considering the paving of Linden Ave. from West Clinton Ave. to Silkman Pl.

★**Somers Point, N. J.**—(Official)—The date for receiving bids has been extended until noon, Dec. 30, for improving the Somers Point-Longport Blvd. A. H. Nelson, County Engr., is in Charge. For particulars, see advertisement under "Contracts To Be Let." Noted Nov. 26.

Trenton, N. J.—The Road Committee of the Board of Freeholders has notified the State Road Department of its intention to improve the following roads, with estimated cost as noted: Trenton and Allentown Pike, $10,000; Pennington Rd., $2000; Mercerville Rd., $3850; Edinburgh Rd., $7000; road from Yardville to Crosswicks, $7000; Upper River Rd., $2000; Woodsville Rd., $3000; road from Windsor to Hightstown, $5000; road from Yardville to Allentown, $20,000; Pennington Rd., from Trenton to Ewingsville, $9275; and road from Pennington to Marshall's Corner, $7000.

Trenton, N. J.—The New Jersey Harbor Commission has approved plans prepared by the Board of City Commissioners for the construction of an improved street to run from Factory St. to the proposed terminals along the Delaware River, to be known as Factory St.

West Hoboken, N. J.—(Official)—The Town Council plans to improve Barclay St. from Palisade Ave. to Clinton Ave. by paving the roadway with a "silent" pavement composed of stone, clean sand, etc.; also resetting curbs and relaying flagging. A. L. Wachlin is Town Clk.

★**Pittsburgh, Penn.**—(Official)—See item under "Miscellaneous": Track Laying and Paving.

✚**Moundsville, W. Va.**—A contract for improving a portion of the Glendale Rd., Washington District, has been awarded to the TORONTO FIRE CLAY CO., Toronto, Ohio.

Tavares, Fla.—Bonds for $500,000 were sold Nov. 21, the proceeds of which will be used for constructing 200 miles of hard surface roads throughout Lake County.

✚**Birmingham, Ala.**—The Board of Commissioners, Dec. 8, awarded the contract to J. L. MULLARKY, Birmingham, for paving Ensley Ave. from 19th to 22d St., and 19th St. from Ensley Ave. to Finney and Jones Survey, with asphaltic concrete, at an estimated cost of $10,000. The work includes 3500 sq.yd. asphaltic concrete on 5-in. concrete base; 600 yd. brick gutter on 5-in. concrete base; 2650 lin.ft. granite curb, 1350 sq.yd. cement walk, 350 lin.ft. stone headers and 500 lin.ft. 15-ft. c.-l. pipe.

Louisville, Ky.—The Board of Public Works will receive bids until Dec. 21 for improving Market St. from 35th to Parkway St. with granite block centers, bituminous concrete shoulders and brick gutters. Noted Nov. 26.

✚**Middlesboro, Ky.**—A contract for paving a number of streets has been awarded to the CAREY-REED CONSTRUCTION CO., Lexington, Ky., at approximately $100,000.

Cleveland, Ohio—Bids will be received by the office of the Commissioner of Purchases and Supplies, Room 513, City Hall, until noon, Dec. 23, for grading, draining and otherwise improving East Blvd., from Union Ave. to East 116th St.

Bids will be received by the Board of Trustees for Royalton Township, Town Hall, until 1 p.m., Dec. 26, for the sale of $13,581 in bonds for highway improvements.

Defiance, Ohio—Press reports state that $28,000 in bonds were sold, the proceeds of which will be used for improving roads.

Strongsville, Ohio—At a recent election the citizens voted in favor of issuing $50,000 in bonds for improving roads.

Indiana—(Official)—Bids will be received as follows for road improvements in Indiana:

Greencastle, until 2 p.m., Jan. 4, by the Commissioners of Putnam County, for constructing a macadam road in Franklin Township. C. L. Airhart is County Audr.

Williamsport, until 1 p.m., Jan. 4, by the Commissioners of Warren County, for constructing gravel roads in Steuben, Mound, Warren and one on line between Mound and Kent Townships. D. H. Moffitt is County Audr.

Valparaiso, until 10 a.m., Jan. 4, by the Commissioners of Porter County, for constructing a gravel road in Union Township. C. A. Bachley is County Audr.

Greenfield, until 10 a.m., Jan. 4, by the Commissioners of Hancock County, for constructing a road on line dividing Green and Center Townships. Lawrence Wood is County Audr.

Portland, until 10 a.m., Jan. 4, by the Commissioners of Jay County, for constructing a stone road in Wayne and Noble Townships. John Bonifas is County Audr.

Muncie, until 2 p.m., Jan. 12, by the Commissioners of Delaware County, for constructing a gravel road on Delaware-Henry County line. F. M. Williams is County Audr.

Franklin, until 2.30 p.m., Jan. 15, by the Commissioners of Johnson and Marion Counties, for constructing a county line road. H. L. Knox is County Audr.

Boonville, Ind.—The Board of County Commissioners has ordered an election to be held in Greer Township, Feb. 25, for the purpose of voting on the question of constructing seven miles of macadam roads, estimated to cost $27,000.

✚Brownstown, Ind.—The contract for constructing a gravel road in Grassy Fork Township, Jackson County, has been awarded to McCAMMON & RICH, Brownstown, at $10,443. Noted Nov. 19.

✚Indianapolis, Ind.—The contract for improving Finley St. from Shelby to Boyd St. has been awarded to J. HARRY ROBERTS.

Michigan City, Ind.—(Official)—No bids were received by the Board of Public Works, Dec. 8, for improving Fir and East Eighth St. A Spychayski is City Clk. Noted Dec. 3.

Cadillac, Mich.—Plans are being prepared for the construction of a drive around Cadillac Lake. O. E. Carr is City Mgr.

Muskegon, Mich.—The City Council has instructed Harry Beck, City Engr., to estimate the cost of resurfacing all brick-paved streets with asphalt.

✚St. Joseph, Mich.—(Official)—Contracts for constructing 16¼ and 14 miles of county road have been awarded to the ZENIGH STONE CO., Kankakee, Ill., at $100,303, and the GOOD ROADS CONSTRUCTION & SUPPLY CO., Chicago, Ill., at $96,967, respectively. Noted Dec. 3.

Peoria, Ill.—The City Council contemplates resurfacing Moss Ave., from Elizabeth St. to Western Ave., with asphalt. Leonard Jefferies, City Engr., estimates the cost at $27,076.

Beloit, Wis.—Plans have been prepared by R. R. Caldwell, City Engr., for paving about 33 streets.

Kansas City, Kan.—According to press reports, bids will be received until Jan. 1 for constructing 17,000 sq.yd. of rock asphalt. W. Barclay is City Engr.

Edina, Mo.—Press reports state that bids will be received until Jan. 15 for 15,000 sq.yd. of brick paving. Tuttle & Pike, Shubert Theater Bldg., Kansas City, Kan., are Engrs.-in-Charge.

Austin, Tex.—The City Council is considering the improvement of Dam Blvd., at an estimated cost of $11,420 for macadam, or $32,000 for concrete pavement.

✚Dallas, Tex.—The contract for paving Elm St. from Ervay to Harwood St. and St. Paul St. from Pacific to Elm St. has been awarded to the CULLOM-BAVOUSET CO., at $13,603. Other bids were: Texas Bitulithic Co., $14,214; Roach Manigan Paving Co., $14,081, and the Bert Hahn Construction Co., $14,253.

✚Yoakum, Tex.—The City Council has awarded a contract for graveling several blocks of streets to WILLIAM A. BRUET, Houston, at $7430.

Clarkston, Wash.—The City Council has instructed the Engineer to prepare plans for the paving of Bridge St., Second to 13th St.

Seattle, Wash.—The contract for paving Stone Way has been awarded to the J. McHUGH PAVING & CONSTRUCTION CO., $154,569.

Inglewood City, Calif.—Bonds for $200,000 have been sold to City Commissioners, the proceeds of which will be used for improving streets.

San Francisco, Calif.—The Board of Public Works plans to improve sections of Folsom and Lane St., Oakdale and Hudson Ave.

Santa Clara, Calif.—An election will be held Dec. 21, to vote on the question of issuing $30,000 in bonds for completing the state highway through Santa Clara.

✚Stockton, Calif.—The City Council has awarded a contract for street paving to A. B. MUNSON & SON, Stockton, at $24,326.

Maisonneuve, Que.—Plans are being prepared by M. Desfresne, Engr. and Arch., Ontario St., Montreal, Que., for improving and paving Pius IX Blvd.

Waterloo, Que.—(Official)—No bids will be received by the Town Council for macadamizing three miles of roads, as the work will be done by the corporation. Noted Dec. 3.

North Vancouver, B. C.—A bylaw has been passed authorizing the expenditure of $75,000 for paving by the City Council. A. M. West is City Engr.

Saanichton, B. C.—The City Council contemplates extending and widening Shelburne St., at an estimated cost of $30,000.

INDUSTRIAL WORKS

Quincy, Mass.—The Fore River Shipbuilding Co. has received a permit for the construction of an 80x200-ft. concrete building. Estimated cost, $60,000.

Salem, Mass.—The Naumkeag Steam Cotton Co. has plans for the construction of a four-story 135x722-ft. spinning mill on Congress St.

Elmira, N. Y.—The A. P. Morrow Mfg. Co. plans the immediate construction of a $125,000 shop and the enlargement of its plant.

East Stroudsburg, Penn.—Samuel Scott and Charles Warman are planning the construction of a glass factory on Lackawanna Ave.

Lebanon, Penn.—Plans have been prepared for the construction of a 40x150-ft. brick addition at 15th and Cumberland St. for the Columbus Chain Co.

New Castle, Penn.—A. W. Leh, Engr. and Arch., has prepared plans for the factory and power plant to be constructed for the Bethlehem Steel Co.

Philadelphia, Penn.—Plans have been prepared by Savery, Sheetz & Savery for the construction of a two-story, 22x66-ft. addition, on Commonwealth Ave. and Mifflin St., for Crew, Levick & Co.

✚Sharon, Penn.—The general contract for the construction of a factory and warehouse on South Dock St., for Mott Robertson, has been awarded to A. WISHART & SONS CO. Estimated cost, $20,000.

Gainesville, Ga.—A company recently organized plans the construction of a hosiery mill, a 50x150-ft. main building, dye house, engine and boiler room, storage house, office building and a 100-hp. steam and electric power plant. Estimated cost, $20,000.

Birmingham, Ala.—Essig & Busenlehner have had plans completed for their bakery at 14th St. and Fourth Ave. The estimated cost is $20,000.

The Southern Sewer Pipe Co., whose plant was recently destroyed by fire with a loss of $125,000, plans to rebuild at Birmingham.

Mobile, Ala.—The Barker Cotton Mills, Prichard, Ala., contemplates the construction of a bleaching plant. The estimated cost is $30,000.

Chattanooga, Tenn.—The Enterprise Enamel Co., Martins Ferry, Ohio, has secured a site for the construction of a plant in Chattanooga. William Lipphardt & Sons are interested.

Louisville, Ky.—The Kentucky & Indiana Terminal R.R. Co. contemplates the construction of a foundry. John H Rightmeyer, Gen. Mgr., is in charge of the work.

Akron, Ohio—Henry Murphy, Arch., Doyle Bldg., has prepared plans for the construction of a four-story, fireproof storage building at 41-45 North High St., for the Union Storage Co. Estimated cost, $25,000.

I. S. Myers and associates have purchased a site for the construction of a five-story, 127x198-ft. garage on Forest St. Estimated cost, $100,000.

Cleveland, Ohio—Bids will soon be received by Ernest McGeorge, Arch., Leader News Bldg., for the general construction of the factory at Superior and Payne Ave., for the Hunt-Dorman Mfg. Co. The building will have 22,000 sq.ft. of floor space.

Conlburg, Ohio—Plans have been prepared by the Lake Shore & Michigan Southern Ry. for the construction of a $200,000 roundhouse and repair shop.

Hamilton, Ohio—The Andrews Asphalt Paving Co. has secured a permit for the construction of a 66x100-ft. warehouse along the Cincinnati, Hamilton & Dayton Ry.

Attica, Ind.—The Tishimingo Gravel & Cement Co. plans the construction of a $140,000 plant at Attica.

Elkhart, Ind.—Plans are being prepared for the rebuilding of the Western Adjusting Co., Ideal Steel Wheel Co. and the Sevison Electric Co., recently destroyed by fire. J. B. Fitch is Pres. of the Western Adjusting Co.

Kokomo, Ind.—John T. Neary, Supt., Kokomo Rubber Co., contemplates the construction of a $10,000 public garage on Main St.

Detroit, Mich.—The Fisher Body Co. plans the construction of a six-story, 80x112-ft. addition on Piquette Ave., to cost $40,000. An additional story will be added to the main structure.

Ecorse, Mich.—The Bowering Soap Co. plans the construction of a four-story plant. The estimated cost is $150,000.

Holland, Mich.—Plans are being prepared by R. C. Clark, Arch., Chicago, Ill., for the construction of a three-story and basement, 50x200-ft. tannery on Eighth St., for the Coppon & Bertsch Leather Co. Estimated cost, $45,000.

✚East St. Louis, Ill.—The contract for the construction of the $167,000 roundhouse for the Southern Ry. Co. has been awarded to R. I. MURPHY CONSTRUCTION CO., Washington, D. C. Noted under Denverside (East St. Louis post office), Ill., Nov. 19.

Milwaukee, Wis.—The Waldheim Furniture Co. will build a 10-story, 80x135-ft. building on West Water St., estimated to cost $250,000. Plans are being prepared by H. C. Koch & Sons. Noted under "Buildings," Nov. 5.

St. Paul, Minn.—The American Farm Products Co. plans the construction of a $250,000 warehouse, construction to begin in January.

Libby, Mont.—The Staub Pulp, Paper & Lumber Co. plans the construction of a sawmill and pulp mill. E. E. Staub and A. E. Gallagher are interested.

Fort Smith, Ark.—Plans are being prepared for the construction of a cotton warehouse. W. J. Echols, Pres. of Merchants National Bank, is interested.

Austin, Tex.—A company with a capital of $500,000 is being organized for the purpose of constructing a cotton mill. H. A. Wroe and R. G. Crosby are interested.

Lewiston, Idaho—A company is being organized by W. Clement Martin, Boston, Mass., with a capital of $100,000, for the purpose of constructing a straw paper factory.

Los Angeles, Calif.—Press reports state that the Silent Engine Co. will locate a plant in Los Angeles for the manufacture of motor cars. Estimated cost, $100,000.

✚San Francisco, Calif.—The contract for the construction of a carbarn on 17th St., for the Municipal Ry., has been awarded to the CLINTON FIREPROOFING CO. Estimated cost, $195,900.

✚Vancouver, B. C.—The contract for the construction of a 1,250,000-bu. reinforced-concrete grain elevator on Burrard inlet, for the Dominion Government Department of Public Works, has been awarded to BARNETT & McQUEEN, Fort Williams, Ont. Noted Nov. 5.

Peel, N. B.—The H. H. McCain Produce Co. contemplates rebuilding its warehouses, which were recently destroyed by fire. Estimated cost, $15,000.

FEDERAL GOVERNMENT WORK

Storehouse—Fort Williams (Cape Cottage post office), Maine—Bids will be received by the Constructing Quartermaster, until 11:30 a.m., Jan. 4, for constructing a storehouse.

✚Dredging—Portland, Maine—The contract for dredging in Portland Harbor has been awarded to the EASTERN DREDGING CO., East Boston, Mass., at $23,760. Noted Oct. 29 and Dec. 3.

✚Dredging, Etc.—Newport, R. I.—The contract for dredging and rock removal in Newport Harbor, has been awarded to the COASTWISE DREDGING CO., Norfolk, Va., at $55,904. Noted Oct. 29 and Dec. 3.

Gatehouses and Storehouse—Buffalo, N. Y.—Esenwein & Johnson, Archs., 781 Ellicott Square, Buffalo, are preparing plans for eight gatehouses and a storehouse to be erected at the U. S. Ship Canal Lock, Black Rock Harbor, Buffalo. The buildings will be of brick, terra cotta and concrete, and are estimated to cost $50,000.

★✚Dredging—New York, N. Y.—The contract for dredging in Staten Island Sound, N. Y. and N. J., has been awarded to L. T. GAYLORD, Park Row Bldg., New York, at about $260,000. Noted Nov. 19 and Dec. 10.

★Mail-Handling Apparatus—New York, N. Y.—The following bids were received for installing a mechanical system of mail-handling apparatus in the U. S. post office in New York: Alvey-Ferguson Co., Cincinnati, Ohio, $117,700; Robins Conveying Belt Co., New York, N. Y., $121,000; Samuel Olsen & Co., Chicago, Ill., $142,100; Lamson Co., Boston, Mass., $142,936.

★Dredging—New Jersey—The lowest bid received for dredging in the Passaic River, N. J., was that of John A. Seely, 30 Church St., New York, N. Y., at 19⅛c. per cu.yd. Noted Dec. 3.

✚Excavating—Wilmington, Del.—The contract for excavating the inland waterway between Rehoboth Bay and Delaware Bay, Lewes Canal, has been awarded to the SOUTHERN DREDGING CO., Mobile, Ala., at $31,970. Noted Nov. 5 and Dec. 8.

Repairing Vessel—Baltimore, Md.—Bids will be received by the Lighthouse Inspector, Baltimore, until 2 p.m., Dec. 19, for repairing Light Vessel No. 52.

★Boilers, Etc.—Anacostia, D. C.—Bids will be received by B. Sweeney, Asst. Secy., Dept. of the Interior, Washington, D. C., until 2 p.m., Jan. 15, for erecting boilers and installing piping at the Government Hospital for the Insane.

★Skylights—Washington, D. C.—Bids will be received by B. Sweeney, Asst. Secy., Dept. of the Interior, Washington, D. C., until 2 p.m., Jan. 12, for installing skylights on the Patent Office Bldg., Washington.

✚Bridge—Washington, D. C.—The contract for the construction of the reinforced-concrete bridge over Rock Creek has been awarded to the HARDAWAY CONTRACTING CO., Columbus, Ga., at $89,420. Noted Oct. 22 and Nov. 26.

★Railroad Track Scale Testing Equipment—Washington, D. C.—Bids will be received at the office of the Bureau of Standards, Dept. of Commerce, Washington, D. C., until 2 p.m., Jan. 7, 1915, for the construction, equipment, completion and delivery of a railroad track scale testing equipment, delivered at its place of construction.

Oil Storage Tanks—Washington, D. C.—Bids were received as follows by the Bureau of Yards and Docks, Navy Dept., for furnishing nine fuel-oil storage tanks, 2,100,000 gal. capacity, under the following items: (1) All nine tanks; (2) two at Norfolk; (3) two at Puget Sound; (4) two at Mare Island; (5) one at San Diego, Calif.; (6) one at Melville, R. I. Tanks are to be 106 ft. inside diameter and 32 ft. high: Knox Pressed & Welded Steel Co., Pittsburgh, Penn., (2) $47,160; (6) $15,730; Riter-Conley Mfg. Co., Leetsdale, Penn., (1) $149,875; (2) $40,875; (3) $39,000; (4) $37,020; (5) $19,920; (6) $13,960; Stacey Mfg. Co., Elmwood Place, Ohio, (2) $50,137; (3) $43,542; (5) $22,763; Chicago Bridge & Iron Co., 105th St. and Throop Ave., Chicago, Ill., (1) $151,000; (2) $37,000; (3) $38,400; (4) $42,000; (5) $21,000; (6) $13,200; American Bridge Co., Continental Bldg., Baltimore, (1) $161,395; (2) $44,945; (3) $40,400; (4) $40,400; (5) $20,885; (6) $15,370; Rolph Mills & Co., Rialto Bldg., San Francisco, Calif., (4) $38,500; Walsh's Holyoke Steam Boiler Works, Holyoke, Mass., (2) $48,794; (6) $16,499; J. K. Petty & Co., Inc., Lebanon, Penn., (2) $42,000; (6) $14,250; Petroleum Iron Works Co., Sharon, Penn., (1) $134,000; (2) $39,000; (3) $32,400; (4) $32,000; (5) $17,000; (6) $13,600; Pacific Rolling Mills Co., Sharon Bldg., San Francisco, Calif., (4) $43,781; Seattle Boiler Works, Inc., Seattle, Wash., (3) $40,828; W. N. Concannon Co., 525 Market St., San Francisco, Calif., (3) $32,988; (4) $32,533; (5) $17,271; Western Pipe & Steel Co., 444 Market St., San Francisco, Calif., (3) $30,964; (4) $29,436; (5) $15,343; Treadwell Construction Co., Midland, Penn., (1) $149,800; (2) $45,750; (3) $38,490; (4) $34,570; (5) $17,640; (6) $16,530; Milwaukee Bridge Co., Milwaukee, Wis., (3) $57,990; R. C. Hoffman & Co., Inc., Baltimore, Md., (2) $46,381; Pittsburg-Des Moines Steel Co., Curry Bldg., Pittsburgh, Penn., (1) $120,136; (2) $37,842; (3) $28,571; (4) $27,982; (5) $14,471; (6) $12,794; Virgina Bridge & Iron Co., Roanoke, Va., (2) $47,900; Goetz Co., Willow St., Chicago, Ill., (1) $233,050; (2) $70,450; (3) $54,700; (4) $54,700; (5) $27,600; (6) $24,050; Llewellyn Iron Works, 1100 North Main St., Los Angeles, Calif., (3) $31,250; (4) $31,000; (5) $15,300; Reeves Bros. Co., 338 Rush St., Alliance, Ohio, (2) $44,820; (6) $15,900; Willamette Iron & Steel Works Portland, Ore., (3) $29,540; (4) $29,900; (5) $15,025; McAleenan Bros. Co., 25th and Railroad St., Pittsburgh, Penn., (2) $42,558; (6) $15,317; Bartlett Hayward Co., Scott and McHenry St., Baltimore, Md., (2) $45,000; Hartley Boiler Works, Railroad and Lowndes St., Montgomery, Ala., (2) $44,800; Standard Boiler & Plate Iron Co., Niles, Ohio, (2) $41,940; (6) $14,480; Warren City Tank & Boiler Co., Warren, Ohio; (2) $42,000; (6) $14,500; Cruse-Kemper Co., Ambler, Penn., (1) $127,500; (2) $37,700; (4) $30,050; (5) $16,000; (6) $13,100; (3) $31,780.

Storehouse—Washington, D. C.—Bids were received Dec. 12 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for the construction of a storehouse at the Washington Navy Yard. The building will be either steel frame or reinforced-concrete structure, five stories high, resting on a concrete and pile foundation. The curtain walls and exterior column casings and piers will be of brick. The floors above first story will be of reinforced concrete. The window sashes will be of steel with wired glass. The building will be 250x100 ft. Bids were asked under the following items: (1) Work complete with structural-steel frame with brick walls; (2) work complete with reinforced-concrete frame with brick curtain walls; (3) structural-steel work alone, erected; (4) foundation work; (5) price per lin.ft. for piles added or omitted; (6) work as under (1), excluding (3) and (4); (7) deduction for omission of plumbing work; (8) Deduction for omission of electric-lighting work; (9) deduction for omission of three elevators; (10) plumbing and heating work; (11) electric-lighting system; (12) three electric elevators: National Fire Proofing Co., Woodward Bldg., Washington, D. C., (1) $190,608; (2) $169,669; (5) add 20c., deduct 10c.; (6) $115,406; (7) $4300; (8) $2200; (9) $11,000; Coberth-Haines-White Co., Inc., 1111 H St., Washington, (10) $3955; Irwin & Leighton, 126 North 12th St., Philadelphia, Penn., (1) $193,800; (2) $176,800; (5) $121,800; (7) $3800; (8) $2100; (9) $10,650; Carrollton Co., Inc., 151 West 42d St., New York, N. Y., (1) $213,848; (2) $189,105; (3) $54,400; (4) $21,373; (5) 22c.; (6) $137,575; (7) $7005; (8) $2000; (9) $10,700; Norcross Bros. Co., Colorado Bldg., Washington, (1) $203,854; (2) $175,033; (3) $65,900; (4) $22,468; (5) add 20c., deduct 14c.; (6) $128,700; (7) $4153; (8) $2200; (9) $10,800; (10) $4568; (11) $2420; (12) $11,880; Boyle-Robertson Construction Co., 1516 H St., Washington, (1) $193,249; (2) $164,240; (3) $54,000; (4) $19,981; (5) 17c.; (6) $120,930; (7) $3822; (8) $2200; (9) $10,800; (10) $4322; (11) $2500; (12) $11,400; George E. Wyne, Munsey Bldg., Washington, (1) $188,200; (2) $163,200; (3) $54,802; (4) $16,000; (5) 15c.; (6) $117,398; (7) $4553; (8) $2000; (9) $10,750; (10) $4553; (11) $2000; (12) $10,750; Penn Bridge Co., Bond Bldg., Washington, (1) $193,390; (5) 15c.; (7) $4200; (8) $2200; (9) $11,000; Riter-Conley Mfg. Co., Leetsdale, Penn., (3) $55,706; James L. Parsons, Munsey Bldg., Washington, D. C., (1) $210,000; (2) $176,000; (3) $59,000; (4) $23,000; (5) 15c.; (6) $80,000; (7) $4000; (8) $2700; (9) $11,500; (10) $5000; (11) $3500; (12) $14,000; Philip F. Gormley, 618 Union Trust Bldg., Washington, (1) $197,942; (2) $179,870; (5) 14c.; (6) $120,166; (7) $3900; (8) $2270; (9) $11,150; Otis Elevator Co., Metropolitan Bank Bldg., Washington, (12) $10,950; Davis Construction Co., 15th and H St., Washington, (1) $217,075; (2) $171,160; (3) $64,050; (4) $23,560; (5) 16½c.; (6) $129,461; (7) $4706; (8) $2420; (9) $11,742; James L. Marshall, 700 10th St., Washington, (1) $213,154; (2) $186,971; Elkan Tufts Construction Co., 208 Coca Cola Bldg., Baltimore, Md., (2) $197,500; John H. Parker Co., 315 Fourth Ave., New York, N. Y., (1) $247,500; (2) $203,600; (3) $58,750; (4) $33,688; (5) add 17c., deduct 14c.; (6) $155,062; (7) $5150; (8) $3000; (9) $5150; (10) $5150; (11) $3000; (12) $10,800; J. H. Pierce, Seaboard Bank Bldg., Norfolk, Va., (1) $210,300; (2) $195,023; (3) $53,000; (4) $20,359; (5) 14¾c.; (6) $136,664; (7) $3697; (8) $2200; (9) $10,950; (10) $1053; (11) $2200; (12) $10,950; Isadore Freund, 1315 Seventh St., Washington, (10) $3772; Clark & Winston Co., 10th and Water St., Washington, (4) $17,432; (5) 15½c.; Raymond Concrete Pile Co., Munsey Bldg., Baltimore, (4) $17,432; (5) 18c.; American Bridge Co., Continental Bldg., Baltimore, (3) $54,400; West Construction Co., Knickerbocker Bldg., Baltimore, (1) $213,980; (2) $184,348; George B. Wills Co., Inc., 101 Park Ave., New York, (1) $207,990; (2) $194,246; Phoenix Iron Works Co., 410 Walnut St., Philadelphia, Penn., (3) $66,075; Charles McCaul Co., 1715 Sansom St., Philadelphia, (1) $197,540; (2) $194,900; Belmont Iron Works, Philadelphia, Penn., (3) $57,285; William Steel & Sons Co., 1600 Arch St., Philadelphia, (1) $197,700; (2) $180,000; (3) $63,000; (4) $25,000; (5) 8¾c.; (6) $117,476; (7) $4500; (8) $3100; (9) $10,000; (10) $5225; (11) $3800; (12) $12,800; Cambria Steel Co., 1421 Chestnut St., Philadelphia, (3) $55,610; McClintic-Marshall Co., Oliver Bldg., Pittsburgh, (3) $52,850; Emerson Construction Co., 103 Park Ave., New York, (1) $216,850; (2) $197,150; (3) $56,370; (4) $18,884; (5) 15c.; (6) $140,896; (7) $4553; (8) $2305; (9) $10,950; (10) $4553; (11) $2305; (12) $10,950; Post & Cord, 101 Park Ave., New York, N. Y., (3) $54,990; Conners Bros. Co., 64 West 88th St., New York, (1) $233,488; (2) $198,488; (3) $60,000; (4) $38,990; (5) add 25c.; deduct 12c.; (6) $154,588; (7) $3000; (8) $2300; (9) $10,000; (10) $4500; (11) $2000; (12) $12,750; Ohio Elevator & Machine Co., Columbus, Ohio, (12) $15,300; Albert W. Adt., 326 Holliday St., Baltimore, (12) $11,500; Wells Bros. Co., New York, (1) $210,000; (2) $191,000; (3) $56,000; (4) $24,231; (5) 16c.; (6) $138,000; (7) $3200; (8) $2200; (9) $9500; (10) $4000; (11) $2300; (12) $10,500; Arthur Cowsill, Union Trust Bldg., Washington, (1) $22,250; (2) $193,355; (3) $59,400; (4) $27,405; (5) $9.25 each; (6) $11,750; (7) $4300; (8) $3925; (9) $10,900; (10) $4300; (11) $3925; (12) $10,900. Noted Nov. 12.

Building—Wilmington, N. C.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 14, for the construction of a two-story frame building at the U. S. Marine Hospital, Wilmington.

✚**Post Office**—Fayetteville, Tenn.—The contract for the construction of the post office at Fayetteville has been awarded to R. P. FARNSWORTH & CO., Owensboro, Ky., at $37,300. Noted Oct. 8 and Nov. 26.

★**Metal Work**—Cleveland, Ohio—Bids will be received by the Lighthouse Inspector, Buffalo, N. Y., until 2 p.m., Dec. 30, for furnishing metal work for the fog-signal building at Cleveland.

★**Post Office**—Tiffin, Ohio—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., until 3 p.m., Feb. 8, for the construction of a two-story and basement stone post office at Tiffin.

✚**Life Saving Station**—Mackinac Island, Mich.—The contract for constructing a life saving station and launchway on Mackinac Island has been awarded to JACOB C. JENSEN, Racine, Wis., at $19,300.

✚**Post Office**—Canton, Ill.—The contract for the construction of the U. S. post office at Canton has been awarded to THOMAS W. CISSEL, Wooster, Ohio, at $59,600. Noted Oct. 8 and Nov. 19.

Post Office and Court House—McCook, Neb.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 26, for the construction of a three-story and basement stone post office and court house.

★**Bridge**—Great Falls, Mont.—Bids will be received by the U. S. Reclamation Service, Great Falls, until 2 p.m., Jan. 12, for erecting one highway and pipe bridge of two spans, each composed of three trusses 97½ ft. long, for the St. Mary Storage Unit Milk River Project, Mont.

★**Canal Construction**—Great Falls, Mont.—The following are the bids received for the construction of a portion of the Pishkun Reservoir Supply Canal: Bates & Rodgers Construction Co., 206 Lindell Block, Spokane, Wash., $39,939; Security Bridge Co., Billings, Mont., $43,936; McArthur Bros. Co., Chicago, Ill., $50,653; O'Connor & Helean, Great Falls, Mont., $59,305. Noted Nov. 5.

Paving—St. Ignatius, Mont.—The following bids were received by the U. S. Reclamation Service, for 1700 sq.yd. of 18-in. paving on South Pablo Dam, Flathead Project: Wilson Bros., Polson, Mont., $4590; A. L. Markhus, Polson, $6715; Municipal Construction Co., Helena, Mont., $6885.

Remodeling Building—St. Louis, Mo.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 19, for remodeling the Custom House at St. Louis.

★**Post Office**—Uvalde, Tex.—Bids will be received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Jan. 22, for the construction of a one-story and basement brick and stone post office at Uvalde.

★**Canal, Etc.**—Olathe and Delta, Colo.—Bids will be received at the office of the U. S. Reclamation Service, Montrose, Colo., until 4 p.m., Jan. 5, 1915, for the construction of the Lower Selig Extension Canal and laterals, Uncompahgre Valley Project, in the vicinity of Olathe and Delta, Colo. The work involves the excavation of about 117,300 cu.yd. of material in open cut.

✚**Canal Work**—Provo, Utah—Contracts for constructing sections of the High Line Canal have been awarded as follows: Division 1, MENDENHALL, STRAW & BIRD CONSTRUCTION CO., Springville, Utah, at $47,465; Division 2, RYDEOUT & ANDRUS, Provo, Utah, at $25,897; Division 3, McARTHUR BROS., 11 Pine St., New York, N. Y., at $37,078. Noted Oct. 8 and Nov. 26.

Bridges—Chiloquin, Ore.—The U. S. Indian Service, Dept. of the Interior, contemplates the construction of three steel or wooden bridges on the Klamath Indian Reservation. Surveys, plans and estimates for the work will be submitted by Harvey W. Hincks, Engr.-in-charge.

Dredging—Oakland, Calif.—Bids will be received by Lieut. Col. Thomas H. Rees, Custom House, San Francisco, until 11 a.m., Dec. 31, for dredging in Oakland Harbor.

✚**Naval Dry Dock**—Pearl Harbor, H. T.—The government has awarded a contract to the SAN FRANCISCO BRIDGE CO., at $1,261,350, for completing the dry dock at the Pearl Harbor Naval Station. The basin will be 1029 ft. long, 148 ft. wide and 35 ft. deep. The total cost is estimated at $4,442,115, exclusive of caissons, pumping plant, etc. C. W. Parks, Naval Engr., will supervise the construction.

MISCELLANEOUS

Dredging and Wharf Construction—New Bedford, Mass.—The following bids and alternates were received Dec. 11 by the State Harbor and Land Commissioners, Boston, for dredging and wharf construction: John R. Burke, $339,777, $361,217; William H. Ellis & Son Co., $347,910, $323,437; Woodbury & Leighton, $355,635, $383,760; Coleman Bros., $361,305, $354,946; John Cashman & Sons Co., $367,311, $353,453; T. A. Scott, New London, Conn., $368,005, $404,369; H. P. Converse & Co., $374,082, $409,619; Snare & Triest, New York, N. Y., $386,735. $387,242; E. W. Foley Construction Co., $392,209, $422,530; Hanscom Construction Co., $392,530, $419,910; Lawler Bros., $482,245, $473,184. William I. William is Comn. Engr.

✚**Motor Fire Apparatus**—New Haven, Conn.—The Board of Fire Commissioners has awarded the contract for furnishing the fire department with three pieces of apparatus, to the SEAGRAVE CO., Columbus, Ohio, at $21,700.

Dredging—New Haven, Conn.—Bids are being received by Frederick L. Ford, City Engr., for dredging a basin in the inner portion of the main harbor at the outlet of the East St. sewer.

Elevated Railway Stations—New York, N. Y.—(Borough of Brooklyn)—With the approval of the Public Service Commission, the New York Municipal Ry. Corporation has awarded contracts to the P. J. CARLIN CONSTRUCTION CO., for constructing the following stations on the Liberty Ave. elevated railroad extension: Hudson St., $41,500; Boyd Ave., $40,000; Rockaway Blvd., $44,500; Oxford Ave., $42,500; Greenwood Ave., $40,500; Lefferts Ave., $23,000.

Bulkheads and Filling—New York, N. Y.—(Borough of Queens)—(Official)—The lowest bid received by the President of the Borough of Queens for repairing the roadway and constructing pile and timber bulkheads in the Rockaway Turnpike, Fourth Ward, was that of the Public Works Contracting Co., 110 West 34th St., New York, at $11,255. Noted Dec. 3.

★**Subway**—New York, N. Y.—(Borough of Manhattan)—(Official)—The date for receiving bids for the construction of Section 4 of Routes Nos. 4 and 36, a part of the Broadway-Fourth Ave. Rapid Transit R.R. in the Borough of Manhattan has been extended by the Public Service Commission from Dec. 11 to Dec. 29. See advertisement under "Contracts to Be Let."

Fire-Protection—New York, N. Y.—(Boroughs of Manhattan and Richmond)—(Official)—Bids will be received until 2:30 p.m., Dec. 30, by John A. Kingsbury, Comr. Dept. Pub. Charities, Room 1091, Municipal Bldg., Borough of Manhattan, for installing fire-protection work in the groups of buildings under the jurisdiction of the Department of Public Charities on Randall's Island and in the New York City Farm Colony, Borough of Richmond.

Stable and Section House—New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., Dec. 22, by the President of the Borough of Queens, Fifth St. and Jackson Ave., Long Island City, for the general construction of a stable and section house for the Bureau of Street Cleaning, at Flushing Ave., Ridgewood, Borough of Queens. The amount of security required is $30,000. Plans and specifications on file at the office of the Borough President.

Fire Station—Hoboken, N. J.—The following bids were received on Dec. 9, by the Common Council for constructing Fire Station, No. 3: Thomas J. Waters, New York, $41,800; L. J. Rice, New York, $37,900; Limouze Bros., Weehawkan, N. J., $38,987; William Flanagan, New York, $45,725; John Egan, Jersey City, $42,365; Bernard Vezetti, Hoboken, N. J., $45,477; A. J. Phelan, Jersey City, $43,388; De Riso Bros., Inc., Union Hill, N. J., $38,974; Dominico De Riso and Emil Arena, $47,500; Cona Construction Co., West Hoboken, N. J., $48,000; W. H. & E. W. Crane, New York, $42,916. Noted Nov. 26.

Bathhouse—Newark, N. J.—(Official)—Bids will be received until 1:30 p.m., Dec. 23, by the Commission on Public Buildings of the Common Council, for the construction of the proposed East Side bathhouse. James S. Pigott, Union Bldg., Newark, is Arch.

Dredging—Passaic, N. J.—The Passaic Board of Trade and the Paterson Chamber of Commerce are perfecting plans for dredging the Passaic River from Paterson to Newark.

★**Track Laying and Paving**—Pittsburgh, Penn.—(Official)—Bids will be received until 10 a.m., Dec. 21, at the office of the City Controller, Municipal Hall, Pittsburgh, for laying street railway tracks and paving the roadway and sidewalks on the North Side Point Bridge. For details see advertisement under "Contracts to Be Let."

✚**Cold Storage Plant Alterations**—Scranton, Penn.—The Lackawanna Cold Storage Co. has awarded the contract to WILLIAMS & RICHARDSON, Scranton, for making alterations and building additions to its plant. The estimated cost is $45,000. Edward Langley, Scranton, is Arch.

Barn—Charlestown, W. Va.—(Official)—Bids will be received until Feb. 1, by Marshall Burns, for constructing a 50x100-ft. frame barn with slate roof. Estimated cost $10,000.

Drainage—Concord, N. C.—Cabarrus County Drainage District No. 3 plans to issue bonds not to exceed $14,000 for the improvement of Coddle Creek. R. W. Fleming is Secy.

Pier—Fort Meyers, Fla.—The Lee County Investment Co. plans to construct a 500-ft. pier in Poinciana Park.

✚**Drainage**—Zellwood, Fla.—The Zellwood Florida Farms Co., A. E. Hartcom, Pres., 20 Nassau St., New York, N. Y., has awarded the contract for draining 20,000 acres in Lake and Orange Counties, to the FURST-CLARK CONSTRUCTION CO., Fidelity Bldg., Baltimore, Md.

Market Reconstruction—New Orleans, La.—Plans are being prepared and bids will be received soon for remodeling and rebuilding five of the city markets.

Dredging—Akron, Ohio—According to press reports, property owners in Summit, Wayne and Stark Counties are advocating a plan to dredge the Tuscarawus River for several miles through the three counties. The estimated cost is $100,000.

Motor Fire Apparatus—Canton, Ohio—The City Council will soon advertise for bids for furnishing the fire department with a triple combination motor truck.

Comfort Station—Cincinnati, Ohio—(Official)—Bids will be received until noon, Dec. 21, by Ernst Von Bargen, City Pur. Agt., for furnishing the material and labor for the erection of a comfort station opposite the Government Bldg.

Motor Truck, Ambulance—Cincinnati, Ohio—(Official)—Bids will be received by the Board of Hospital Commissioners until 3 p.m., Jan. 5, for furnishing one motor truck, one ambulance and a refrigerating apparatus for the Nurses Home.

Greenhouses—Columbus, Ohio—Bids will be received until, Jan. 5, by Carl E. Steeb, Secy., Bd. Trustees, Ohio State University, for the constrction of greenhouses. For specifications, address, Joseph H. Bradford, University Arch., Auditors Office, Columbus.

Recreation Building—Warrensville, Ohio—(Official)—J. Milton Dyer, Arch., Cuyahoga Bldg., Cleveland, writes that this building will probably be built by the city providing an appropriation can be secured next year. No plans have been prepared yet for this work. Noted Dec. 3.

✚**Retaining Wall**—Fort Wayne, Ind.—(Official)—The Board of Public Works has awarded the contract for constructing a reinforced concrete wall on the west side of St. Joseph Blvd, to the MOELLERING CONSTRUCTION CO., Fort Wayne. F. M. Randall is City Engr. Noted Nov. 26.

Dredging—Indianapolis, Ind.—The Board of Public Works has rejected all bids received for removing encroachments along the east side of White River. Noted Dec. 10.

Playground—Highland Park, Mich.—At a recent election $90,000 in bonds were voted for the purchase of additional playground space

Drainage—Jackson, Mich.—The Jackson County Drainage Improvement Association has been organized and plans to straighten and dredge Grand and Portage Rivers. N. F. Wing, Grass Lake, is Pres. Duane W. Allen, Jackson, is Secy.

Motor Fire Apparatus—Oshkosh, Wis.—Next year's budget now before the City Council includes an item of $10,000 for the purchase of motor apparatus for the police and fire departments.

Traction Engines—Des Moines, Iowa—The County Board of Supervisors will purchase two traction engines, four standard graders, dump wagons, horses and complete outfit for grading.

+Ditches—Bemidji, Minn.—Contracts for the construction of judicial ditches 22 and 24 have been awarded to the MINNESOTA DRAINAGE CO., Baudette, Minn., at $24,612 and $50,093, respectively. The contract for the construction of ditch 23 was not awarded. The work will be readvertised. J. L. George is County Audr. Noted Nov. 12.

Metal Culverts—Bemidji, Minn.—Bids will be received until 10 a.m. Dec. 30, by J. L. George, Audr. of Beltrami County, for furnishing 183 corrugated metal culverts for Judicial Ditch No. 21. George W. Walker, Thief River Falls, Minn., is Engr.-in-Charge.

Drainage—Kirksville, Mo. — (Official)—Bids will be received until, Dec. 23, by the Adair Drainage District, for deepening 2½ miles of drainage canal from 6 to 8 ft. William H. Motter is Pres.

Motor Fire Apparatus—San Antonio, Tex.—The City Council has appropriated $5225 for the purchase of a combination hose and chemical motor truck and $4889 for a motor tractor.

Drainage Bonds—Seadrift, Tex. — The Seadrift Drainage District of Calhoun County has voted $60,000 in bonds for the construction of a drainage system.

Dock Reconstruction—Seattle, Wash.—Bids are being received by the Grand Trunk Pacific Steamship Co. for constructing a dock to replace the one recently destroyed by fire. The estimated cost is $200,000. C. H. Nicholson is Mgr.

Reclamation—Tacoma, Wash.—The Hylebos Creek Dyking District, has retained as engineer, Donald B. Roben, Tacoma. The proposed work will reclaim about 2000 acres of salt grass marsh. W. G. Brown, Clifton, is Consult. Engr.

Drainage—North Yakima, Wash.—According to press reports the County Commissioners plan to enlarge Drainage District No. 4, so as to include South Nob Hill and the territory south of Wide Hollow Creek. The construction of additional canals and ditches is contemplated. The estimated cost is $20,000.

Shipyard Reconstruction—Portland, Ore. — The Portland Shipyards Co., whose plant was recently destroyed by fire, will rebuild as soon as plans can be prepared. Charles M. Nelson is Pres.

Canal—Seaside, Ore. — According to press reports, J. E. Oates, and a number of business men of this city are considering the construction of a 3½-mile canal from Seaside to Warrenton. The estimated cost is $50,000.

Reclamation—Bakersfield, Calif.—According to press reports, the Kern Valley Reclamation Co. has been organized and will undertake to reclaim an extensive tract of land in the Lost Hills region. It is planned to construct a canal from this territory to Tulare Lake.

River Improvement and Bulkhead — Sacramento, Calif. — (Official)—A communication from P. M. Norboe, Asst. State Eng., states that the plan for improving the navigability of the Sacramento River near Crouch Landing, has been postponed indefinitely. The construction of a pile and brush bulkhead at Collins Eddy will be undertaken in coöperation with the War Department. Noted Dec. 3.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works"; "Federal Government Work" and "Miscellaneous."

Auburn, Maine—It is proposed that a new high school will be built. Plans are to be received Jan. 6. The cost will be about $100,000.

+Amherst, Mass.—The contract for the construction of the new Agricultural Building at the Massachusetts Agricultural College has been awarded to the CASPER RANGER CONSTRUCTION CO., Appleton and Bond St., Holyoke, Mass. The building will be brick with concrete floors; three stories, 62x166 ft., with a wing 76x94 ft. The cost will be about $150,000. SHEA & DONNELLY, Lynn, Mass., have the sub-cantract for the cut stone. James H. Richtie, Boston, Mass. is the Arch.

Continued on Page 374.

+Sewer System—Wappingers Falls, N. Y.—Bids were received by the Board of Trustees, Nov. 18, for the construction of a sewer system according to plans prepared by H. L. Sterling, Engr., Newburgh, from: (A) James McAvoy, New York N. Y.; (A-1) Kellam & Shaffer, Schenectady, N. Y.; (B) Bernardino Silvester & Co., Hartford, Conn.; (B-1) Suburban Engineering C., New York, N. Y.; (C) Green Construction Co., Long Island City, N. Y.; (C-1) Pratt Reed & Phillips, Schenectady, N. Y.; (D) H. J. Zevely, Morgantown, W. Va.; (D-1) Barbara & D'Aurio Co., Waterbury, Conn.; (E) J. F. Leary Construction Co., Rochester, N. Y.; (E-1) J. L. Sigretto, Woodhaven, L. I.; (F) Frank Puglia, Paterson, N. J.; (F-1) Cenedella & Co., Milford, Mass.; (G) Samuel Boun, Syracuse, N. Y.; (G-1) Both & Weston, Lawrence, L. I.; (H) Joseph Johnsons Sons, W. New Brighton, N. Y.; (H-1) Peekskill Construction Co., Peekskill, N. Y.; (I) John I. McDonald, Poughkeepsie, N. Y.; (J) Harrison & Burton, New York, N. Y.; (J-1) Michael Spino, Beacon, N. Y.; (K) Pioneer Construction Co., New Rochelle, N. Y.; (K-1) SAMUEL BESKIN, Beacon, N. Y. (awarded contract); (L) D. M. Rosser, Kingston, Penn.; (M) B. G. Coon Construction Co., Luzerne, Penn.; (M-1) J. W. Collins, Flint, Mich.; (N) R. B. Kennedy, Utica, N. Y.; (N-1) H. H. Golden & Son, Troy, N. Y.; (O) Daly & Merritt, Port Chester, N. Y.; (P) Evergreen Construction Co., Long Island City, N. Y.; (Q) Briggs & McLaughlin, New York, N. Y.; (R) Amanna & Sullivan, Bronx, N. Y.; (S) James J. Tusco, Newark, N. J.; (T) Langan Construction Corporation, Albany, N. Y.; (U) Petrossi Bros., Hartford, Conn.; (V) J. B. Pennell & Co., Yonkers, N. Y.; (W) Christopher & Lockwood, Peekskill, N. Y.; (X) Gardner & Von Cleave, Asbury Park, N. J. The item bids were as follows:

	A	A-1	B	B-1	C	C-1	D	D-1	E	E-1	F	F-1
Laying 8-in. pipe 4 ft. deep	$0.45	$0.37	$0.52	$0.45	$0.70	$0.50	$0.53	$0.45	$0.40	$0.47	$0.40	$0.37
Laying 8-in. pipe 4 to 6 ft. deep	0.61	0.405	0.56	0.60	0.70	0.58	0.68	0.55	0.55	0.53	0.45	0.50
Laying 8-in. pipe 6 to 8 ft. deep	0.65	0.48	0.68	0.73	0.80	0.73	0.88	0.75	0.75	0.66	0.55	0.65
Laying 8-in. pipe 8 to 10 ft. deep	0.75	0.62	0.76	1.22	0.91	0.91	1.12	1.00	0.95	0.79	0.75	0.88
Laying 8-in. pipe 10 to 12 ft. deep	0.91	0.75	0.78	1.50	1.50	1.22	1.35	1.20	1.15	1.06	1.10	1.10
Laying 8-in. pipe 12 to 14 ft. deep	1.12	1.14	0.99	1.85	1.50	2.00	1.64	1.40	1.35	1.22	1.35	1.56
Laying 8-in. pipe 14 to 16 ft. deep	1.35	1.67	1.19	2.70	1.50	2.50	1.91	1.60	1.70	1.45	1.85	2.00
Laying 8-in. pipe 16 to 18 ft. deep	1.40	2.49	2.20	3.25	2.00	3.25	2.24	1.80	2.00	1.88	2.25	2.66
Laying 8-in. pipe 18 to 20 ft. deep	1.50	3.53	2.40	3.75	2.00	4.50	2.59	2.00	2.30	2.80	2.75	3.91
Laying 10-in. pipe 4 to 6 ft. deep	0.62	0.45	0.66	0.70	0.90	0.71	0.78	0.65	0.60	0.64	0.50	0.60
Laying 10-in. pipe 6 to 8 ft. deep	0.70	0.56	0.68	0.90	0.90	0.86	0.96	0.82	0.80	0.78	0.60	0.75
Laying 10-in. pipe 8 to 10 ft. deep	0.82	0.70	0.99	1.40	1.00	1.04	1.19	1.00	1.00	0.92	0.85	0.98
Laying 10-in. pipe 10 to 12 ft. deep	0.94	0.82	1.19	1.70	1.50	1.35	1.43	1.27	1.25	1.20	1.25	1.20
Laying 10-in. pipe 12 to 14 ft. deep	1.25	1.23	1.32	2.00	1.75	2.10	1.72	1.52	1.55	1.36	1.55	1.66
Laying 10-in. pipe 14 to 16 ft. deep	1.49	1.78	1.38	3.00	2.00	2.60	1.99	1.82	1.85	1.90	1.75	2.11
Laying 10-in. pipe 16 to 18 ft. deep	1.55	2.75	1.68	3.50	3.00	3.35	2.32	2.17	2.20	2.36	2.50	2.76
Laying 10-in. pipe 18 to 20 ft. deep	1.60	3.58	2.49	4.00	4.00	4.60	2.67	2.57	2.60	3.16	3.00	4.00
Laying 15-in. pipe 4 to 6 ft. deep	0.66	0.71	1.02	0.90	2.00	1.20	1.19	0.90	0.75	0.86	0.65	0.80
Laying 15-in. pipe 6 to 8 ft. deep	0.70	0.80	1.38	1.10	2.00	1.35	1.43	1.35	0.95	1.03	0.85	0.95
Laying 15-in. pipe 8 to 10 ft. deep	0.89	1.00	1.58	1.70	2.00	1.63	1.69	1.65	1.20	1.30	1.00	1.18
Laying 15-in. pipe 10 to 12 ft. deep	0.99	1.11	1.78	1.95	4.00	1.81	1.99	1.85	1.45	1.50	1.60	1.40
Laying 15-in. pipe 12 to 14 ft. deep	1.20	1.52	2.08	2.25	4.00	2.50	2.33	2.49	1.75	1.70	1.90	1.86
Laying 15-in. pipe 14 to 16 ft. deep	1.55	2.13	2.48	3.40	4.00	3.00	2.67	2.85	2.10	2.40	2.50	2.31
Laying 15-in. pipe 16 to 18 ft. deep	1.69	3.23	2.68	3.90	4.00	3.50	3.05	3.49	2.50	3.15	3.00	3.10
Laying 15-in. pipe 18 to 20 ft. deep	2.25	3.97	2.88	4.50	4.00	5.00	3.47	3.98	2.90	3.45	3.50	4.50
Laying 15-in. pipe 20 to 22 ft. deep	2.75	5.05	3.28	6.00	4.00	6.52	3.92	4.48	3.30	3.70	5.00	5.50
Laying 18-in. pipe 6 to 8 ft. deep	1.32	1.17	1.28	1.60	2.50	1.62	1.88	1.62	1.10	1.47	1.00	1.38
Laying 18-in. pipe 8 to 10 ft. deep	1.56	1.25	1.60	2.20	2.39	1.82	2.03	1.92	1.35	1.64	1.60	1.54
Laying 18-in. pipe 10 to 12 ft. deep	1.67	1.49	1.68	2.50	2.45	2.10	2.35	2.11	1.60	1.83	2.00	1.78
Laying 18-in. pipe 12 to 14 ft. deep	1.85	1.94	2.07	2.85	2.50	2.60	2.71	2.57	1.95	2.20	2.50	2.14
Laying 18-in. pipe 14 to 16 ft. deep	2.00	2.42	2.27	4.00	2.75	4.50	3.05	2.98	2.35	2.70	3.00	2.74
Laying 18-in. pipe 16 to 18 ft. deep	2.15	3.48	2.31	4.60	3.00	6.00	3.47	3.51	2.75	3.25	3.25	3.74
Laying 20-in. pipe 6 to 8 ft. deep	1.35	1.35	2.02	1.80	2.75	1.80	2.03	1.89	1.30	1.66	1.50	1.53
Laying 20-in. pipe 8 to 10 ft. deep	1.75	1.56	2.39	2.50	2.75	2.00	2.32	2.09	1.40	1.83	1.90	1.69
Laying 20-in. pipe 10 to 12 ft. deep	1.90	1.76	2.49	2.80	2.75	2.30	2.64	2.39	1.20	7.02	2.50	1.93
Laying 20-in. pipe 12 to 14 ft. deep	2.05	2.12	2.78	3.10	2.85	5.00	3.06	2.65	2.10	2.42	2.50	2.29
Laying 20-in. pipe 14 to 16 ft. deep	3.10	2.84	2.99	4.25	3.00	7.00	3.40	3.25	2.55	3.76	3.00	2.89
500 lin.ft. deep sewer connections	1.55	0.65	0.45	0.45	1.00	0.30	0.60	0.25	0.25	1.18	0.30	0.75
3 M ft. b.m. lumber	40.00	35.00	35.00	30.00	40.00	80.00	50.00	0.035	35.00	47.25	60.00	30.00
14 tons c.i. pipe	49.00	36.00	35.00	43.00	32.00	50.00	50.00	77.25	30.00	29.50	50.00	28.00
10 cu.yd. extra concrete	5.75	8.00	12.00	7.50	10.00	12.00	10.00	9.00	8.00	9.48	7.00	9.00
63 manholes 6 ft. deep	47.00	30.00	38.00	34.00	45.00	40.00	45.00	50.00	37.50	41.30	25.00	39.00
52 manholes 6 to 8 ft. deep	55.00	38.00	40.00	44.00	50.00	50.00	53.00	55.00	42.00	47.25	35.00	44.00
141 lin.ft. manhole necks over 8 ft. deep	5.00	4.00	58.00	5.00	5.00	3.00	3.25	4.00	3.00	5.90	4.00	2.00
42 flush tanks	90.00	75.00	83.00	95.00	100.00	110.00	80.00	40.00	96.00	88.50	80.00	70.00
1000 lin.ft. 6-in. tile pipe	0.60	0.25	0.35	0.30	0.25	0.50	0.30	0.35	0.20	1.18	0.25	0.40
2000 cu.yd. rock	2.95	2.50	4.25	3.50	5.00	4.50	2.50	4.97	4.75	3.54	4.00	3.40
200 cu.yd. excavation, sewage treatment works	0.85	0.85	0.75	1.25	1.00	2.00	0.50	0.51	0.50	0.50	0.75	1.00
Disposal plant (lump sum)	$18,995	$18,493	$16,600	$21,000	$19,037	$24,500	$16,645	$17,500	$17,000	$20,296	$21,500	$14,825
Extended totals	$78,975	$67,478	$83,180	$93,512	$92,985	$97,653	$85,349	$83,735	$79,665	$81,404	$78,058	$74,942

	G	G-1	H	H-1	I	J	J-1	K	K-1	L	M	M-1
Laying 8-in. pipe 4 ft. deep	$0.35	$0.40	$0.68	$0.48	$0.43	$0.34	$0.52	$0.55	$0.47	$0.36	$0.33	$0.48
Laying 8-in. pipe 4 to 6 ft. deep	0.34	0.45	0.73	0.48	0.48	0.51	0.69	0.75	0.55	0.48	0.39	0.5.
Laying 8-in. pipe 6 to 8 ft. deep	0.45	0.50	0.98	0.61	0.61	0.59	0.79	1.05	0.65	0.60	0.56	0.65
Laying 8-in. pipe 8 to 10 ft. deep	0.68	0.70	1.40	0.89	0.82	0.92	1.25	1.30	0.84	0.76	0.74	0.70
Laying 8-in. pipe 10 to 12 ft. deep	1.05	0.90	1.60	1.28	1.13	1.11	1.55	1.60	0.95	0.98	0.90	0.85
Laying 8-in. pipe 12 to 14 ft. deep	1.90	1.20	1.90	1.97	1.30	2.05	2.00	1.85	0.98	1.50	1.30	0.95
Laying 8-in. pipe 14 to 16 ft. deep	2.25	1.80	2.70	3.90	1.63	2.36	2.59	2.20	1.19	1.70	1.70	1.32
Laying 8-in. pipe 16 to 18 ft. deep	2.40	2.50	3.10	5.50	2.11	2.67	3.27	2.40	1.53	2.50	2.10	1.45
Laying 8-in. pipe 18 to 20 ft. deep	2.60	3.00	3.75	7.57	2.30	3.92	3.78	2.80	1.65	2.80	2.70	1.75
Laying 10-in. pipe 4 to 6 ft. deep	0.55	0.55	0.94	0.65	0.56	0.57	0.74	0.85	0.63	0.54	0.51	0.56
Laying 10-in. pipe 6 to 8 ft. deep	0.60	0.65	1.05	0.80	0.69	0.65	0.99	1.20	0.69	0.66	0.63	0.82
Laying 10-in. pipe 8 to 10 ft. deep	0.75	0.80	1.30	1.10	0.90	0.95	1.24	1.45	0.90	0.85	0.70	0.85
Laying 10-in. pipe 10 to 12 ft. deep	1.05	1.00	1.60	1.40	1.20	1.17	2.00	1.75	0.97	1.05	1.10	1.08
Laying 10-in. pipe 12 to 14 ft. deep	1.40	1.30	1.98	2.20	1.38	2.11	2.25	2.10	1.08	1.55	1.40	1.18
Laying 10-in. pipe 14 to 16 ft. deep	1.75	1.90	2.78	4.26	1.71	2.42	2.85	2.50	1.26	1.75	1.80	1.38
Laying 10-in. pipe 16 to 18 ft. deep	2.15	2.60	3.20	6.00	2.19	2.73	3.26	2.70	1.68	2.55	2.30	1.52
Laying 10-in. pipe 18 to 20 ft. deep	2.50	3.10	3.85	8.17	2.38	3.98	4.05	3.00	1.87	2.90	3.20	1.62
Laying 15-in. pipe 4 to 6 ft. deep	0.80	0.95	1.12	0.95	0.77	0.75	1.65	1.00	0.81	0.80	0.63	0.80
Laying 15-in. pipe 6 to 8 ft. deep	0.95	1.05	1.30	1.10	0.88	0.87	1.25	1.35	0.91	1.15	0.75	1.00
Laying 15-in. pipe 8 to 10 ft. deep	1.05	1.20	1.54	1.36	1.13	1.10	2.19	1.25	1.14	1.30	0.90	1.40
Laying 15-in. pipe 10 to 12 ft. deep	1.30	1.40	2.25	1.78	1.46	1.39	2.35	2.10	1.20	1.50	1.20	1.65
Laying 15-in. pipe 12 to 14 ft. deep	1.60	1.70	2.70	2.75	1.65	2.45	2.95	2.40	1.38	2.00	1.58	2.15
Laying 15-in. pipe 14 to 16 ft. deep	2.10	2.30	3.10	5.00	2.03	2.67	3.29	2.75	1.50	2.20	2.00	2.65
Laying 15-in. pipe 16 to 18 ft. deep	2.30	3.00	3.80	7.00	2.53	2.85	3.65	3.10	1.98	3.00	2.60	3.15
Laying 15-in. pipe 18 to 20 ft. deep	2.70	3.50	4.50	9.00	2.78	4.00	4.75	3.50	2.46	3.30	3.60	3.65
Laying 15-in. pipe 20 to 22 ft. deep	3.10	4.50	4.99	12.00	3.03	4.05	6.09	4.50	2.70	3.50	4.60	4.25
Laying 18-in. pipe 6 to 8 ft. deep	1.30	1.55	1.50	1.40	1.20	1.32	2.00	1.60	1.37	1.35	1.04	1.42
Laying 18-in. pipe 8 to 10 ft. deep	1.65	1.70	1.65	1.75	1.45	1.55	2.19	2.10	1.57	1.55	1.20	1.67
Laying 18-in. pipe 10 to 12 ft. deep	2.10	1.90	1.97	2.20	1.60	1.84	2.59	2.35	1.63	1.75	1.55	1.82
Laying 18-in. pipe 12 to 14 ft. deep	2.30	2.20	2.78	3.10	2.01	2.72	3.00	2.65	2.19	2.25	1.90	2.15
Laying 18-in. pipe 14 to 16 ft. deep	2.40	2.80	3.35	5.67	2.39	3.50	3.85	3.10	2.29	2.50	2.20	2.65
Laying 18-in. pipe 16 to 18 ft. deep	2.25	3.50	4.10	7.78	2.58	3.84	4.25	3.40	2.34	3.25	2.80	3.15
Laying 20-in. pipe 6 to 8 ft. deep	1.50	2.05	1.90	1.70	1.35	1.50	2.50	1.85	1.47	1.50	1.20	1.50
Laying 20-in. pipe 8 to 10 ft. deep	1.75	2.20	2.15	2.20	1.60	1.68	2.50	2.35	1.62	1.20	1.45	2.00
Laying 20-in. pipe 10 to 12 ft. deep	2.00	2.40	2.40	2.80	1.75	1.97	2.75	2.95	1.79	1.90	1.90	2.25
Laying 20-in. pipe 12 to 14 ft. deep	2.30	2.70	3.20	4.00	2.16	2.85	3.50	3.50	2.35	2.40	2.30	2.50
Laying 20-in. pipe 14 to 16 ft. deep	2.70	3.30	4.30	6.10	2.54	3.80	4.00	4.10	2.42	2.65	2.80	3.00
500 lin.ft. deep sewer connections	0.30	0.50	2.10	0.60	0.23	0.65	0.50	0.25	0.25	0.80	0.50	0.50
3 M ft. b.m. lumber	33.00	30.00	35.00	50.00	55.00	25.00	55.00	50.00	30.00	40.00	35.00	40.00
14 tons c.i. pipe	32.00	30.00	27.00	45.00	50.00	25.00	49.00	30.00	30.00	32.00	42.00	40.00
10 cu.yd. extra concrete	6.00	10.00	8.00	10.00	14.00	10.00	8.50	10.00	10.00	7.00	7.00	7.00
63 manholes 6 ft. deep	50.00	30.00	40.00	27.50	70.00	30.00	39.00	40.00	35.00	40.00	30.00	35.00
52 manholes 6 to 8 ft. deep	55.00	40.00	45.00	40.00	80.00	40.00	55.00	50.00	40.00	50.00	33.00	45.00
141 lin.ft. manhole necks over 8 ft. deep	6.00	4.00	5.00	5.50	5.50	3.00	4.75	2.75	3.50	6.00	3.00	4.00
42 flush tanks	75.00	60.00	100.00	55.00	65.00	65.00	69.00	75.00	90.00	100.00	75.00	75.00
1000 lin.ft. 6-in. tile pipe	0.30	0.15	0.30	0.50	0.23	0.25	0.35	0.15	0.20	0.50	0.35	0.25
2000 cu.yd. rock	4.00	3.00	3.50	3.00	3.00	3.33	4.25	4.00	1.90	4.00	2.30	3.50
200 cu.yd. excavation, sewage treatment works	2.50	1.00	1.50	1.50	1.10	1.00	1.00	1.00	0.60	1.00	1.50	1.00
Disposal plant (lump sum)	$24,000	$18,000	$22,000	$18,750	$20,000	$20,562	$19,500	$17,665	$17,400	$20,640	$18,680	$23,500
Extended totals	$79,105	$70,695	$101,065	$90,782	$78,776	$80,133	$96,237	$95,548	$69,052	$80,446	$68,796	$79,127

	N	N-1	O	P	Q	R	S	T	U	V	W	X
Laying 8-in. pipe 4 ft. deep	$0.47	$0.36	$0.47	$0.55	$0.70	$0.36	$0.42	$0.40	$0.45	$0.57	$0.40	$0.58
Laying 8-in. pipe 4 to 6 ft. deep	0.48	0.44	0.60	0.60	0.75	0.41	0.47	0.44	0.60	0.63	0.59	0.63
Laying 8-in. pipe 6 to 8 ft. deep	0.60	0.63	0.65	0.67	0.80	0.50	0.52	0.57	0.70	0.78	0.63	0.75
Laying 8-in. pipe 8 to 10 ft. deep	0.75	1.01	0.93	0.82	0.85	0.58	0.62	0.78	0.85	0.98	0.78	0.88
Laying 8-in. pipe 10 to 12 ft. deep	1.15	1.25	1.15	1.05	0.90	0.75	0.77	1.09	1.25	1.27	1.00	0.98
Laying 8-in. pipe 12 to 14 ft. deep	1.25	1.63	1.50	1.35	1.00	0.85	0.89	1.26	1.50	1.83	1.33	1.12
Laying 8-in. pipe 14 to 16 ft. deep	1.38	1.81	1.54	1.48	1.10	1.42	1.10	1.58	2.00	2.41	1.81	1.48
Laying 8-in. pipe 16 to 18 ft. deep	1.90	2.56	1.86	1.81	1.20	1.71	1.50	2.07	2.50	3.32	1.99	1.63
Laying 8-in. pipe 18 to 20 ft. deep	2.10	3.11	2.25	2.00	1.30	1.92	2.50	2.26	3.20	4.38	2.08	1.83
Laying 10-in. pipe 4 to 6 ft. deep	0.71	0.55	0.70	0.65	0.60	0.35	0.50	0.53	0.65	0.71	0.58	0.79
Laying 10-in. pipe 6 to 8 ft. deep	0.85	0.68	0.75	0.75	0.85	0.67	0.60	0.65	0.75	0.86	0.62	0.89
Laying 10-in. pipe 8 to 10 ft. deep	0.90	1.20	0.95	0.99	0.90	0.75	0.72	0.86	0.95	1.06	0.87	1.21
Laying 10-in. pipe 10 to 12 ft. deep	1.20	1.53	1.20	1.20	0.95	0.96	0.87	1.17	1.20	1.35	1.09	1.33
Laying 10-in. pipe 12 to 14 ft. deep	1.30	1.75	1.21	1.35	1.00	1.40	1.00	1.34	1.60	1.91	1.42	1.63
Laying 10-in. pipe 14 to 16 ft. deep	1.50	1.95	1.54	1.55	1.20	1.80	1.25	1.67	1.90	2.50	1.90	1.71
Laying 10-in. pipe 16 to 18 ft. deep	1.95	2.63	1.90	1.85	1.25	2.40	1.75	2.15	2.25	3.42	2.08	1.98
Laying 10-in. pipe 18 to 20 ft. deep	2.50	3.08	2.30	2.20	1.35	3.00	3.00	2.34	3.00	4.48	2.17	2.22
Laying 15-in. pipe 4 to 6 ft. deep	1.20	0.83	0.95	0.85	0.90	0.97	0.72	0.73	0.95	1.00	0.81	1.31
Laying 15-in. pipe 6 to 8 ft. deep	1.30	0.90	1.00	1.00	0.95	1.08	0.77	0.84	1.25	1.21	0.85	1.33
Laying 15-in. pipe 8 to 10 ft. deep	1.40	1.42	1.40	1.25	1.00	1.28	0.87	1.09	1.40	1.39	1.10	1.71
Laying 15-in. pipe 10 to 12 ft. deep	1.60	2.25	1.65	1.55	1.10	1.56	1.10	1.42	1.70	1.75	1.30	1.89
Laying 15-in. pipe 12 to 14 ft. deep	2.50	2.50	1.90	1.85	1.20	2.10	1.30	1.61	2.10	2.21	1.65	2.26
Laying 15-in. pipe 14 to 16 ft. deep	2.50	2.75	2.00	2.10	1.25	2.40	1.50	1.99	2.25	3.62	2.13	2.43
Laying 15-in. pipe 16 to 18 ft. deep	2.75	3.10	2.05	2.25	1.30	3.30	2.15	2.49	3.00	4.55	2.31	2.61
Laying 15-in. pipe 18 to 20 ft. deep	2.75	3.65	2.25	2.45	1.40	4.20	3.50	2.74	3.50	5.61	2.40	2.84
Laying 15-in. pipe 20 to 22 ft. deep	2.75	4.15	2.40	2.75	1.50	5.10	5.00	2.99	5.50	6.61	2.60	3.08
Laying 18-in. pipe 6 to 8 ft. deep	1.40	1.29	1.10	1.85	1.10	1.25	1.15	1.16	1.40	1.49	1.01	1.73
Laying 18-in. pipe 8 to 10 ft. deep	1.90	1.81	1.15	2.00	1.20	1.45	1.30	1.41	1.60	1.76	1.32	2.11
Laying 18-in. pipe 10 to 12 ft. deep	2.10	2.06	1.75	2.30	1.25	1.72	1.75	1.56	2.25	2.20	1.50	2.29
Laying 18-in. pipe 12 to 14 ft. deep	2.60	2.44	2.00	2.50	1.30	2.00	2.20	1.94	2.40	2.79	1.87	2.65
Laying 18-in. pipe 14 to 16 ft. deep	2.75	2.59	2.25	2.70	1.40	2.60	2.50	2.36	2.75	4.27	2.35	2.83
Laying 18-in. pipe 16 to 18 ft. deep	3.20	3.69	2.50	3.00	1.50	3.50	3.00	2.54	3.00	5.26	2.53	3.06
Laying 20-in. pipe 6 to 8 ft. deep	1.55	1.60	1.50	2.10	1.30	1.62	1.50	1.31	1.85	1.67	1.31	1.96
Laying 20-in. pipe 8 to 10 ft. deep	1.70	2.18	1.60	2.40	1.40	1.75	1.67	1.56	2.25	1.94	1.56	2.40
Laying 20-in. pipe 10 to 12 ft. deep	2.10	2.43	1.90	2.70	1.50	2.00	2.00	1.71	2.60	2.38	1.75	2.52
Laying 20-in. pipe 12 to 14 ft. deep	2.70	2.78	2.20	3.00	1.60	2.40	2.50	2.12	3.00	2.97	2.10	2.88
Laying 20-in. pipe 14 to 16 ft. deep	3.30	3.50	2.50	3.25	1.70	3.60	3.00	2.50	3.50	4.45	2.69	3.12
500 lin.ft. deep sewer connections	0.35	0.22	0.40	0.60	0.80	2.00	0.75	0.19	2.00	0.20	1.00	0.18
3 M ft. b.m. lumber	30.00	42.00	50.00	40.00	30.00	15.00	50.00	48.00	45.00	40.00	35.06	35.00
14 tons c.i. pipe	40.00	35.00	35.00	35.00	30.00	25.00	50.00	45.00	100.00	35.00	40.00	25.00
10 cu.yd. extra concrete	9.00	15.00	7.00	8.00	7.00	7.00	10.00	12.00	15.00	7.00	10.00	8.00
63 manholes 6 ft. deep	36.00	45.00	37.00	32.00	50.00	33.00	47.00	65.00	38.00	40.00	40.00	50.00
52 manholes 6 to 8 ft. deep	38.00	52.00	40.00	38.00	55.00	38.00	50.00	75.00	40.00	45.00	50.00	60.00
141 lin.ft. manhole necks over 8 ft. deep	4.00	4.00	5.00	3.90	1.00	40.00	7.00	5.00	5.00	6.00	4.00	5.00
42 flush tanks	80.00	85.00	85.00	98.00	175.00	90.00	100.00	60.00	120.00	100.00	60.00	75.00
1000 lin.ft. 6-in. tile pipe	0.30	0.16	0.20	0.60	0.30	0.20	0.75	0.19	0.50	1.00	0.50	0.18
2000 cu.yd. rock	3.50	3.00	3.50	2.00	4.00	3.00	3.00	2.75	4.25	4.50	3.50	3.50
200 cu.yd. excavation, sewage treatment works	1.00	0.70	0.70	0.90	2.00	0.50	1.00	1.00	0.60	2.50	1.00	0.75
Disposal plant (lump sum)	$17,585	$17,700	$19,500	$10,000	$20,000	$20,000	$22,000	$19,000	$22,000	$20,000	$16,500	$18,275
Extended totals	$73,674	$79,032	$77,350	$67,329	$83,584	$76,381	$75,143	$74,405	$90,117	$94,004	$73,278	$82,133

Robbins & Myers Co., Springfield, Ohio, advises us that newspaper reports about the damage to its plant by fire were exaggerated. The electrical plant was not damaged, and there will be no interference in filling orders for motors, generators and fans. Arrangements have already been made with manufacturers in the vicinity for the use of their foundries until a new one can be built. The only delay which will be occasioned will be in transferring patterns from the present plant to the new foundries. Work was started Monday cleaning away the débris, and a modern foundry will be built. The loss was entirely covered by insurance.

The Pelton Water Wheel Co., San Francisco, Cal. Catalog. Turbine and tangential water wheels. Illustrated, 102 pp., 6x9 in.

A. O. Norton, Inc., 286 Congress St., Boston, Mass. Catalog No. 28. Ball-bearing jacks. Illustrated, 50 pp., 6x9 in.

The Holt Mfg. Co., Peoria, Ill. Bulletin T. E. 69. The "Baby Caterpillar" tractor. Illustrated, 24 pp., 7x10 in.

Independent Pneumatic Tool Co., Thor Building, Chicago, Ill. Circular. Thor electric drills. Illustrated.

BUILDINGS—Continued from page 372.

Athol, Mass.—An addition to the high school is contemplated. The cost is estimated at $40,000.

✚Boston, Mass.—The contract for the construction of a 4-story brick and stone apartment at Brighton Ave. and Parkvale St., Brighton District, for W. Stanley Tripp, 95 Milk St., has been awarded to L. L. SELLEW, 136 Brighton Ave. It will be 88x96 ft. and cost $88,000.

✚The contract for the construction of a Nurses' Home, also two ward buildings, has been awarded by the Infirmary Department to MANUS J. FISH & SON, at $131,130.

Holyoke, Mass.—The Church of Our Lady of Perpetual Help will build a church. Father Joseph Marchand is pastor.

Providence, R. I.—An appropriation of $500,000 has been made for two grammar schools. Noted Sept. 10.

✚Providence, R. I.—The contract for erection of the home for the Order of Eagles has been awarded to TOBIN & FLYNN. The building will be three stories and basement, 50x120 ft., of brick and steel.

The City Council has appropriated $55,000 for the construction of a police station in the Second ward. Mayor Gainer is Chn., Committee of Contracts and Supply.

The Rhode Island School of Design will build a school on North Main St., estimated to cost $250,000. The building will be of brick, stone, and steel, five stories and basement, 70x120 ft.

✚Greenwich, Conn.—The contract for the construction of the Y. M. C. A. building has been awarded to JACOB ZIMMERMAN, 18 East 41st St., New York, N. Y. It will be 126x180 ft., 3½ stories, and cost $200,000.

New Haven, Conn.—Bids will be received about Feb. 1 for the three-story brick addition, costing $150,000, to the building of the New Haven Hospital Association. L. W. Robinson, 42 Church St., is Arch., and H. C. Day, 121 Church St., is a member of the building committee. Noted Dec. 3.

✚Norwalk, Conn.—The contract for a two-story school on Prospect Ave. has been awarded to H. W. MATHER, Norwalk. Noted Oct. 1.

Dunkirk, N. Y.—James L. Droken, Mgr. Droken Theater, has purchased site on Central Ave. and will erect theater to cost about $40,000.

New York, N. Y.—(Borough of Manhattan)—Plans are being drawn by Lewis F. Pilcher, State Arch., Albany, N. Y., for a three-story, 75x115-ft. hospital on Ward's Island. The New York State Hospital Commission will have charge of the work, which will involve $110,000.

✚(Borough of Brooklyn)—Contract for additions and alterations to Public School 18 has been awarded to FRYMIER & HANNA CO., 25 West 45th St., Manhattan. Noted Dec. 3.

(Borough of Brooklyn)—The Maternity Hospital Society of Brownsville and East New York has been incorporated to secure funds and build a hospital in that section. Of the $55,000 needed, about $30,000 has been subscribed. Dr. Abraham Mandelbaum, 329 Stone Ave., East New York, is interested.

(Borough of Bronx)—Bids will be received about Jan. 15 for the four-story, 50x127-ft. hospital for the Bronx Hospital Association. Lewis A. Abramson, 220 Fifth Ave., is Arch. Noted Oct. 15.

(A Correction)—(Borough of Manhattan)—Bids were received, Dec. 4, by the Board of Trustees of the Bellevue Hospital, for alteration to the main building of Harlem Hospital, as follows: M. D. Lunden, $16,494; Andrews Bldg. Co., $27,249; J. M. Knopp, $23,378; William H. Egan, $34,830; Marble Arch Co., $38,408; A. W. King, $14,873; Lincoln Steel, Fleming Co., $36,339, and Neptune B. Smythe, $33,870.

Rochester, N. Y.—The Knights of Pythias are considering building a $45,000 temple. Maurice Ellenbogen, 34 Trust Bldg., has the matter in charge.

White Plains, N. Y.—A special committee has been appointed by E. P. Barrett, Chn. Bd. of Supervisors of Westchester County, to investigate a site and plans for a new courthouse. It is proposed to locate it on Main St. between Court and Grand St. The probable cost is given at $1,000,000. The matter is in the preliminary stage.

Mrs. J. L. Lockwood, 36 South Broadway, is president of the Women's Club, which contemplates building a $40,000 clubhouse.

Belleville, N. J.—(Official)—Bids will be received until 8:30 p.m., Dec. 29, by the Board of Education for constructing the proposed new high school. J. J. Turner is Clk. Noted Nov. 26.

Camden, N. J.—The Board of Education plans to erect a new high school at Haddon and Wright Ave., to cost about $400,000. Application has been made to the Board of School Estimate for approval.

Cliffside Park (Cliffside post office), **N. J.**—The Board of Education is considering the erection of a 12-room school, to cost about $102,000. Ernest Sibley, Palisade Park, N. J., is Arch.

Jersey City, N. J.—John T. Rowland, Jr., 98 Sip Ave., is preparing plans for a new county jail on Willow St. between Newark and Pavoma Ave.

The moving picture theater for the U. S. Amusement Co. will be two stories, 75x150 ft., and cost about $90,000. Percy A. Vivarttas, 100 Fourth St., Union Hill, N. J., is Arch. Noted Dec. 10.

North Bergen (Weehawken post office), **N. J.**—The Board of Education has purchased 24 lots as a site for a new school.

Summit, N. J.—The Board of Education is arranging for the construction of a new high school. A site will soon be selected.

Carnegie, Penn.—The Burgess and Council will act as a committee to procure plans and specifications for a new city hall, which will include a jail, garage and fire station. R. J. Hardie is Burgess.

Scranton, Penn.—The Young Men's Hebrew Association is having plans drawn by A. J. Ward, Republican Bldg., for a new clubhouse. It will be three stories, 60x90 ft.

Washington, D. C.—Harry Wardman, 1340 K St. has had plans prepared by F. R. White & Co., 1012 13th St., N. W., for four apartments to cost about $100,000, three to be located at 15th and Euclid St. and one at 16th and Swann St.

Richmond, Va.—The City has commissioned Carneal & Johnston, as Archs., for the municipal building. The plans call for a structure, divided in three sections and calling for a library, auditorium, five courts, lecture rooms, etc. The cost will be over $500,000.

Savannah, Ga.—Bids will be received by Robert M. Hicks, until Dec. 23, for erecting the hotel on Congress St. Noted Sept. 17.

Clearwater, Fla.—The lowest bid submitted to the County Commissioners for altering the court house, was that of the Bartow Construction Co., Bradlentown, Fla., at $146,000.

Louisville, Ky.—Four stories will be added to the Tyler Hotel and the front will have an addition of 30 ft. The present building is eight stories. N. Bosler is Mgr. of the hotel.

Plans are being prepared by John Bacon Hutchings, Columbia Bldg., for a Y. W. C. A. building. It will cost $250,000 and be located at Broadway and Second St.

✚The contract for the Crescent Hill school has been awarded to GEORGE ROMMEL CO., at $65,000.

Nashville, Tenn.—Press reports state that bids will be received about Feb. 1 for a new medical school hall at Vanderbilt University. This will be known as the Carnegie Bldg., will be four stories and cost $350,000. Samuel Hannaford & Sons, Vine and Sixth St., are Archs.

✚Cleveland, Ohio—The contract for the construction of the eight-story and basement, 70x101-ft. building for the Belmont Bldg. Co., has been awarded to METTLER-GLOYD & CO., 713 Prospect Ave. Estimated cost, $100,000. Noted Aug. 13 and Sept. 10.

Hammond, Ind—Plans are being prepared by Mac Turner, Arch., Citizens National Bank Bldg., Hammond, for the construction of a $75,000 grade school on Columbia Ave.

Detroit, Mich.—Bids will be received until 1 p.m., Jan. 4, 1915, by the Library Commission, Farmer and Gratiot St., for the excavation and foundation work for the New Main Library. Cass Gilbert, 11 East 24th St., New York, N. Y., is Arch.

Lapeer, Mich.—The Michigan Central R.R. and the Grand Trunk Ry. plan the construction of a 60x120-ft. freight depot near the Grand Trunk passenger station.

Chicago, Ill.—Erich J. Patelski, Arch., 167 West Washington St., has prepared plans for the construction of a three-story brick store and apartment building, on 3023-25 Diversey Ave., for B. Kennell, 919 North Fairfield Ave. Estimated cost, $40,000.

Superior, Wis.—Bids will be received about Jan. 1, by Emile Uhlrich, Arch., 1900 Euclid Ave., Cleveland, Ohio, for the construction of an asylum for the Wisconsin Diocese. Estimated cost, $90,000. Noted July 16.

Des Moines, Iowa—Fleming Bros., Inc., plans the construction of a twelve-story fireproof addition to the Fleming Bldg. The estimated cost is $400,000.

Duluth, Minn.—Plans are being prepared by Shurick & Solheim, Archs., for the construction of a four-story apartment at Superior St. and Tenth Ave., E., for the Merriam Investment Co., of Philadelphia, Penn. Estimated cost, $100,000.

Minot, N. D.—Olaf A. Olsen plans the construction of a five-story, 50x150-ft. store and office building on Reishus St. Estimated cost, $100,000.

Kansas City, Mo.—The Pratt & Thompson Construction Co. will construct an eight-story building at Tenth and Wyandotte St., for Mrs. Anna M. Mason, 630 East Armour Blvd. Estimated cost, $150,000. S. B. Tarbet is Arch.

El Paso, Tex—The County Commission of El Paso contemplates the construction of a $200,000 courthouse and county building.

Prescott, Ariz.—W. H. Day, Interstate Secy., Y. M. C. A., Tucson, and G. C. Bilheimer, District Secy., Denver, Colo., are contemplating the construction of a $75,000 Y. M. C. A. building at Prescott.

✚Eugene, Ore.—Contracts for the construction of the $52,000, two-story and basement National Guard Armory have been awarded as follows: C. VAN PATTEN, Salem, $37,333; W. KRAEMER, Portland, wiring, $1190; VALLEY HEATING & PLUMBING CO., Eugene, heating, $3290. Noted June 18.

Auburn, Calif.—Raleigh P. Hood, San Francisco, contemplates constructing a $100,000 tuberculosis sanitarium at Auburn.

Hawthorne, Calif.—W. C. Pennell, Arch., is preparing plans for the construction of a one-story and basement school. Estimated cost, $45,000.

✚Lindsay, Calif.—The contract for the construction of the grammar school has been awarded to BENSON & JOHNSON, Kingsbury, Calif. Estimated cost, $44,068. Noted Oct. 8.

✚Los Angeles, Calif.—The contract for the construction of a freight station at 950 East Third St., for the Atchison, Topeka & Santa Fe Ry., 1005 Kerckhoff Bldg., has been awarded to the WILLIAM SIMPSON CONSTRUCTION CO. Estimated cost, $48,000.

San Francisco, Calif.—Bids will soon be received by the Library Trustees for the construction of a $60,000 branch library at Bartlett and 24th St.

Visalia, Calif.—The Elks' Building Association, recently incorporated with a capital of $150,000, contemplates the construction of a club at Visalia.

Guelph, Ont.—The Board of Education contemplates the construction of an addition to the Collegiate Institute on Paisley St. Estimated cost, $125,000. J. M. Duff, Bank of Commerce, is Chn.

✚Point Grey, B. C.—Contracts for the construction of the school at Point Grey, have been awarded as follows: T. DAVIES, 614 Hastings St. West Vancouver, $39,050; KYDD BROS., heating, $5028; ORR BROS., 1228 Granville St., ventilating, $1251. Noted Nov. 5.